

AD-A134 209 COL A J BO BAKER AAF GERMANY (WEST) LIMITED SURFACE
OBSERVATIONS CLIMATIC.. (U) AIR FORCE ENVIRONMENTAL
UNCLASSIFIED TECHNICAL APPLICATIONS CENTER SCOTT A. 03 AUG 83
USAFETAC/DS-83/034 SBI-AD-E850 427 F/G 4/2

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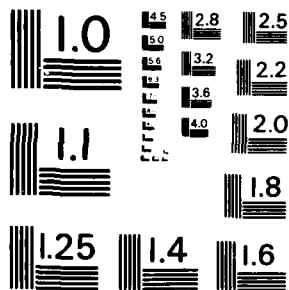
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UNCLASSIFIED

USAFETAC/DS-83/034 SBI-AD-E850 427

F/G 4/2

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Air Weather Service (MAC)

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"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"

08 AUG 1983

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-83/034	2. GOVT ACCESSION NO. ADA B4-209	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Limited Surface Observations Climatic Summary (LISOCs) - COL A J BO BAKER AAF, GERMANY (WEST)		5. TYPE OF REPORT & PERIOD COVERED Final Rept
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES Limited-duty weather observation site.		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*LISOCs	Climatology	Weather conditions
*RUSSWO	Surface winds	Relative humidity
*Climatological data	Sea-level pressure	Station pressure
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statistical summary of surface weather observations for COL A J BO BAKER AAF, GERMANY (WEST)		

19. Percentage frequency of distribution tables
 Dry-bulb temperature versus wet-bulb temperature
 Cumulative percentage frequency of distribution tables

*GERMANY (WEST) DL109711
 *COL A J BO BAKER AAF
 *BAKER
 *BAKER AAF
 *BO BAKER
 *A J BO BAKER
 *A J BAKER

20. It contains the following parts: (A) Weather Conditions; (C) Surface Winds; (D) Ceiling Versus Visibility; (E) Psychrometric Summaries (psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard deviations and observation counts of station and/or sea-level pressure). Summaries in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By _____	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A	

Since Col A.J. Bo Baker AAF, DL is a part time observing station, we partitioned the data to use only those observations from 0500Z to 1900Z. The hourly data 2000Z to 0400Z were not used in the production of this summary. This is done to reduce any bias in the summaries which could result from using those infrequent observations outside the normal operating hours.

The remaining summaries contain serious misleading values that if used would present gross inaccurate climatology for the station, therefore the "ALL ALL" summaries were removed (because they do not represent the "ALL" hours summaries):

SECTION A Weather Conditions

SECTION C Surface Winds

SECTION D Ceiling Versus Visibility

SECTION E Psychrometric Summary and Relative Humidity

The remaining Hourly Summaries must be used with caution and the following values NOT USED: TOTALS, MEANS AND STANDARD DEVIATIONS. (The values are for 1900Z only and not for a 24 Hour period).

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

USAFETAC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES (LISOCs)
HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at established hourly intervals.

SUMMARY OF THE DAY OBSERVATIONS

Summary of the day observations are selected from all data recorded on reporting forms and combined into these observations (records, record-specials, locals, summary of day, remarks, etc.).

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the LISOCs and the manner of presentation. Tabulations are prepared from observations recorded by stations operated by the US Services and some foreign stations using similar reporting practices.

Unless otherwise noted, the following summaries are included in this LISOCs:

PART A: WEATHER CONDITIONS

PART B: NO OR INSUFFICIENT
DATA AVAILABLE*

PART C: SURFACE WINDS

PART D: CEILING VERSUS VISIBILITY

SKY COVER DATA NOT AVAILABLE

*PRECIPITATION, SNOWFALL AND SNOW DEPTH

PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES

MAX HIGH AND MIN LOW TEMPERATURES

PSYCHROMETRIC: DRY VS WET BULB

MEAN AND STD DEV. (DRY BULB, WET BULB,
AND DEW POINT TEMPERATURES)

RELATIVE HUMIDITY

PART F: STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 local standard time (LST).

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WMO NUMBER	
109711		Col A J BO BAKER AAF, DL		N 42 46		E 011 36		2350		EDOV		10971	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	ROPE BAROMETER					
1	Bad Tolz Germany	AAF	Sep 64	Feb 66	N 47 46	E 011 36	2360	2355	9 to 14				
2	No change	AAF	Mar 66	Jun 66	No chge	No chge	No chge	2351	14				
3	No change	AAF	Jul 66	Feb 68	No chge	No chge	No chge	2354	17				
4	No change	AAF	Mar 68	Dec 70	No chge	No chge	No chge	2353	13 to 17				
5	No change	AAF	Jan 71	Oct 76	No chge	No chge	No chge	2353	14				
6	No change	AAF	Nov 76	Nov 80	No chge	No chge	2350	2354	0-14				
7	Col A J BO BAKER AAF, DL	AAF	Dec 80	Jul 81	No chge	No chge	2350	2354	14				
8	Same	AAF	Jul 81	Mar 83	Same	Same	Same	Same	14				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Sep 64 to Feb 65	Located on top of operations bldg.	AN/GNQ-11	None	46 ft	
2	Mar 65 to Feb 66	No change	No chge	None	76 ft	
3	Mar 66 to Feb 68	Located on top of control tower.	No chge	None	79 ft	
4	Mar 68 to Dec 70	No change	No chge	None	50 ft	

(OVER)

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
5	Jan 71 to Oct 76	No change	No chge	None	50 ft	
6	Nov 76 to Mar 83	Located near midpoint rwy 03/21	No chge	RO-362	10 ft	

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

WEATHER CONDITIONS

109710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-78,80-82
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02												
	03-05												
	06-08		9.2	1.0	17.9		26.4	20.3				20.3	587
	09-11		7.0	.3	21.0		27.7	16.2	.7			16.7	599
	12-14		7.7		21.9		28.6	13.0	3.2			15.6	507
	15-17		10.0		18.6		26.7	15.2	3.4			18.4	408
	18-20		12.5		17.5		28.8	23.7	.8			24.5	257
	21-23												
TOTALS			9.3	.3	19.4		27.6	17.7	1.6			19.1	2358

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10-710
STATION

COL A J 20 BAKER AAF DL
STATION NAME

73-78,83-82
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS 1-24	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02												
	03-05												
	06-08		8.3		20.7		27.5	25.9	.3			26.3	579
	09-11		6.6		21.5		26.1	19.7	1.2			20.9	578
	12-14		7.6		18.0		23.8	15.3	5.7			23.6	529
	15-17		7.1		18.4		23.8	13.3	7.1			20.4	407
	18-20		5.9		16.4		21.5	21.9	3.9			25.8	256
	21-23												
TOTALS			7.1		19.0		24.5	19.2	3.6			22.6	2349

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

100710 STATION COL A J BO BAKER AAF DL 73-78,80-82 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02												
	03-05												
	06-08		10.7		16.5		26.0	18.3	1.4			19.7	638
	09-11		9.7		16.6		25.0	10.6	6.7			17.2	639
	12-14		9.5		16.0	.2	24.0	6.6	11.8			18.2	592
	15-17		8.4		15.5		22.5	6.8	13.7			19.9	453
	18-20		7.4		15.8	.4	22.5	8.5	13.0			21.5	284
	21-23												
TOTALS			9.1		16.1	.1	24.0	10.2	9.3			19.3	2606

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

19710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-78,80-82
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02												
	03-05												
	06-08		10.6		22.8		32.3	16.2	1.3			17.5	606
	09-11		11.4		18.4		28.8	9.9	3.1			12.9	604
	12-14		12.2		17.0		28.3	3.2	6.8			10.0	558
	15-17		14.2		14.0		27.7	5.5	3.0			8.2	437
	18-20		18.4		13.0		31.4	3.1	3.1			6.1	261
	21-23												
TOTALS			13.4		17.0		29.7	7.6	3.5			10.9	2466

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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1 9710	COL A J BO BAKER AAF DL	73-78,80-82	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS CST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02												
	03-05												
	06-08		21.9		1.6		23.4	10.5	2.3			17.8	640
	09-11	.2	17.5		.8	.2	18.4	5.9	4.5			10.3	640
	12-14	1.5	22.7		1.1		23.9	2.9	3.6			6.5	611
	15-17	3.6	20.8	.2	.2	.4	21.6	2.8	2.4			5.1	467
	18-20	4.6	20.1				20.1	2.3	2.3			4.6	259
	21-23												
TOTALS		2.0	20.6	.0	.7	.1	21.5	4.9	3.0			7.9	2617



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GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
A.B. WEATHER SERVICE/MAC

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JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

109710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-78,60-82

YEAS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02												
	03-05												
	06-08	.5	18.8				16.8	6.5	1.3			7.8	612
	09-11	.7	17.1				17.1	3.3	3.2			6.3	601
	12-14	2.0	19.3				19.3	.9	4.4			5.1	549
	15-17	4.1	18.6				18.6	1.4	2.3			3.5	488
	18-20	5.5	19.6				19.6		2.7			2.7	255
	21-23												
TOTALS		2.6	18.7				16.7	2.4	2.8			5.1	2505

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-78,80-82

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02												
	03-05												
	06-08	1.0	18.8		.2		18.9	17.1	3.0			20.1	608
	09-11	.9	16.6				16.6	8.7	7.5			15.6	577
	12-14	2.4	14.6				14.6	5.3	7.8			12.4	548
	15-17	5.1	17.0				17.0	3.8	7.7			11.3	470
	18-20	7.3	24.3				24.3	5.7	6.9			12.6	247
	21-23												
TOTALS		3.3	18.3		.0		18.3	8.1	6.6			14.4	2450

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 4710 COL A J 80 BAKER AAF DL 73-78,80-82 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02												
	03-05												
	06-08		16.3	.2	3.3		18.8	23.6	.3			24.0	584
	09-11		17.6		4.2		20.8	16.8	.4			16.9	567
	12-14		12.4		3.6		15.9	12.4	1.8			14.1	548
	15-17	.2	10.4		5.6		14.2	13.3	4.5			17.6	443
	18-20	.7	12.7		5.1		16.4	21.2	4.8			26.0	292
	21-23												
TOTALS		.2	13.9	.0	4.4		17.2	17.5	2.4			19.7	2434

WEATHER CONDITIONS

NOV
MONTH

MONTH	HOURS EST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02												
	03-05												
	06-08		9.6	.2	15.5		23.8	20.5	.4			20.8	562
	09-11		10.8		17.3		26.6	15.5				15.5	548
	12-14		9.8		16.6		24.9	15.6	1.2			16.6	518
	15-17		15.9		16.9		29.5	15.7	2.1			17.8	421
	18-20		16.5		15.0		28.6	18.7	1.8			20.5	273
	21-23												
TOTALS			12.5	.0	16.3		26.7	17.2	1.1			18.2	2322

GLOBAL CLIMATOLOGY BRANCH
JGAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

109710
STATION

COL A J BO BAKER RAF DL
STATION NAME

73-78, 80-82

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN S. OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02												
	03-05												
	06-08		6.9	.2	23.0		28.0	18.8				18.8	547
	09-11		6.3	.2	22.2		27.2	10.3	.2			10.5	591
	12-14		7.5	.4	21.2		27.3	9.6	.4			9.9	523
	15-17		11.7	.5	20.1		28.6	15.9	.3			16.1	384
	18-20		10.0	1.0	20.4		28.9	25.4	.5			25.9	201
	21-23												
TOTALS			6.5	.5	21.4		28.0	16.0	.3			16.2	2246

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFET-C
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-710 COL A J BO BAKER AAF DL STATION NAME 77-76.87-82 YEARS JAN NORTH
ALL WEATHER CLASS 5677-2807 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2		.2									.7	2.5
NNE	.5											.5	2.5
NE	.2	.2										1.5	2.5
ENE	1.1	1.2	.3									3.1	3.6
E	3.4	.9	1.9									6.1	4.4
ESE	1.7	.3										2.2	2.2
SE	.7											.7	2.2
SSE	1.9	.3										2.2	2.2
S	2.4	2.4	.9		.7							6.2	4.9
SSW	1.2	3.3	2.0	.5								9.5	5.3
SW	2.7	4.3	2.9	.7								11.4	5.6
WSW	1.9	2.5	2.2	.7	.3							7.7	6.6
W	1.4	2.9	4.9	3.2	.7							13.1	9.2
WNW	.2	1.4	.7									2.5	4.5
NW	.2		.2									1.2	2.3
NNW	.7	.2										.9	2.2
VARBL		.2	1.5	1.4	1.2							4.1	13.2
CALM												28.3	
	2.1	20.5	17.7	6.3	2.4							112.2	4.3

TOTAL NUMBER OF OBSERVATIONS 566

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 711 CEL A J 30 BAKER AAF CL STATION NAME 71-78,83-62 YEARS JA
ALL WEATHER CLASS 0900-1100
 CONDITION MOON (L & Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.1	1.0
NNE	.1	.2										1.3	2.2
NE	1.0	.3										1.3	2.4
ENE	1.0	1.0	1.0									3.4	4.6
E	1.0	1.3	1.0									4.2	4.2
ESE	2.3	.3										3.2	2.5
SE	1.0											1.3	1.8
SSE	1.0	.7	.3									2.0	3.7
S	2.8	2.0	.7	.3								5.9	4.3
SSW	1.0	1.2	1.8	.5	.2							5.5	6.5
SW	1.0	3.0	2.7	.2								7.7	5.5
WSW	.0	2.7	4.7	.7								8.5	7.2
W	2.0	2.8	5.7	2.8	.8	.3						16.1	6.5
WNW	.3	1.3	.0	.2	.2							3.2	5.3
NW	.3	1.0	.2									1.8	4.3
NNW	.5	.5		.7								1.2	4.4
VARBL			1.7	1.5	1.3							4.5	13.5
CALM												27.5	
	21.0	10.9	20.4	6.4	2.5	.3						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 578

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 71 STATION NAME COLA WIND BAKE 2 AAF CL YEARS 71-72, 80-82 NORTH 122-142
CLASS ALL WEATHER HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											2.5	2.5
NNE	.6	1.0	.3									2.4	3.1
NE	.5	1.6	.6									2.2	4.3
ENE	2.2	2.5	1.9	.4								6.9	3.3
E	4.2	2.4	1.7	.2								7.4	3.9
ESE	1.6											1.4	2.0
SE	1.4											1.4	1.9
SSE	1.7											1.2	1.6
S	2.7	1.7	.6	1.0								4.5	6.2
SSW	1.4	1.0	1.8	.2								4.3	5.6
SW	1.5	2.5	1.4									5.5	4.8
WSW	1.2	4.2	2.4	1.5	.2							5.9	6.7
W	3.4	4.5	5.1	3.2	.2							16.4	7.1
WNW	1.0	2.4	.6	.6								4.7	5.5
NW	1.4	1.2	.2	.2								3.2	4.3
NNW	1.2	.4										1.5	2.6
VARBL			1.7	2.6	1.6	.2	.2					5.5	14.6
CALM												3.9	
	20.1	24.9	17.4	9.3	2.7	.2	.2					122.2	4.5

TOTAL NUMBER OF OBSERVATIONS 526

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 11710 COL A JSC BAKER AAF FL 73-75, 82 YEARS JAN MONTH 1900-1900 HOURS (LST)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2										1.9	2.8
NNE	1.7	.7	.2									2.6	2.9
NE	1.7	.7	1.2									3.7	4.6
ENE	2.7	3.0	1.5	.5								7.9	4.9
E	2.7	5.7	2.2	.7								10.7	5.5
ESE			.2									.7	4.3
SE	1.2											1.2	2.6
SSE	1.7			.7								1.7	3.4
S	1.7	1.0										2.7	3.3
SSW	1.7	1.7	.5	.2								4.2	4.7
SW	2.7	3.0	1.5	.2								5.1	4.5
WSW	2.7	3.0	3.0	.7	.2							10.3	6.2
W	2.7	3.0	4.7	1.5								11.1	6.6
WNW	.7	2.0	1.0	.2								5.4	4.6
NW	1.2	1.5										2.2	3.6
NNW	.7	.2	.2									1.0	3.8
VARBL		.2	3.7	3.2	1.2							6.4	12.1
CAIM												17.5	
	20.6	27.8	2.0	6.7	1.5							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 476

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 711 MIL A WIND PAKET AAF EL 73-70.00 YEARS 1A1
STATION NAME CLASS MONTH
ALL-FACTOR 1000-2500
CONDITION HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2											1.2	2.3
NNE	.	.										1.2	2.7
NE		1.2										1.2	3.2
ENE	2.7	.	.4	.4								4.7	4.6
E	3.2	.4	2.7									9.4	4.6
ESE	1.2											1.6	2.6
SE	.											.3	2.2
SSE	2.3											2.3	1.2
S	.3	1.6	.4	.4	.4							2.1	5.5
SSW	1.2	1.2	1.2	.4								4.3	5.9
SW	2.0	3.7	.6									6.3	4.9
WSW	3.2	5.5	2.7	.6								12.2	6.3
W	2.0	4.7	4.7	2.3								13.7	7.4
WNW	.4	1.6	.4									2.3	4.5
NW	.	.4										1.2	3.2
NNW	.4		.4									.2	5.5
VARBL			3.6	3.6	.6							6.2	11.7
CALM												2.3	
	27.0	23.0	17.2	6.6	1.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 251

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 710 COL A J. D. BAKER AAF CL 73-76, 80-82 YEARS JAN MONTH ALL DAY HOUR

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0									.7	3.1
NNE	.0	.4	.2									1.4	3.4
NE	.0	.7	.3									1.1	3.9
ENE	.1	1.7	1.0	.7								.1	4.6
E	.0	2.4	1.7	.1								7.1	4.5
ESE	1.6	.3	.7									1.9	2.4
SE	1.0											1.0	2.0
SSE	1.0	.3	.1	.0								2.0	2.3
S	.3	1.7	.6	.3	.1							5.0	4.9
SSW	.0	1.7	1.6	.4	.0							5.9	5.6
SW	.1	3.4	2.9	.2								7.8	5.2
WSW	1.7	3.0	3.1	.8	.2							9.1	6.5
W	.3	3.4	5.1	2.6	.4	.1						14.0	7.9
WNW	1.1	1.7	.7	.2	.0							3.7	5.1
NW	.0	.7	.1	.0								1.0	3.9
NNW	.7	.7	.1	.0								1.1	3.4
VARBL		.1	2.1	2.3	1.2	.0	.0					5.7	13.0
CALM												24.4	
	24.7	22.7	18.7	7.3	2.0	.1	.0					122.0	4.6

TOTAL NUMBER OF OBSERVATIONS 2352

U.S. AIR FORCE
 AIRCRAFT
 WEATHER SERVICE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME LAKE AAF DL YEARS 73-78, 80-82 DATE 0000-0000
 CLASS ALL WEATHER HOURS (LST) 0000-0000
 CONDITION

SPEED KNTS D/R	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.											1.2	1.5
NNE	.											1.2	2.1
NE	.			.7								1.7	6.4
ENE	.1	1.1	1.4									2.2	4.4
E	.	2.1	2.9	.7								3.7	5.2
ESE	.	.										1.1	2.2
SE	1.1	.										1.9	2.7
SSE	.	.	.2									2.1	2.9
S	.	1.2	.7									2.2	3.1
SSW	1.7	4.7	1.1	1.2								5.7	6.7
SW	.	2.4	2.4	1.2	.2							3.1	6.6
WSW	1.1	3.2	1.3	.9								4.2	5.4
W	1.1	2.7	4.7	.7	.2							12.4	6.9
WNW	.	1.4	.9	.2								2.3	5.6
NW	.	.										.3	1.5
NNW	.	.										.3	2.5
VARBL				.7	.2							1.0	14.7
CALM												1.0	
		1.3	7.9	5.4	.5							120.2	1.8

TOTAL NUMBER OF OBSERVATIONS 577

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

71. COL A J L BAKER AAF DL 77-76.62-92
STATION STATION NAME YEARS
ALL WEATHER CLASS
1940-1990
HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2										.3	2.2
NNE	.1	.1	.5									.7	4.0
NE	1.3	2.6	2.8	.5								6.2	4.3
ENE	.3	2.6	2.8	.5								6.2	5.5
E	.2	1.9	2.1	.7								5.9	4.2
ESE	1.8	.5	.2									2.5	2.8
SE	1.4											1.4	2.0
SSE	.3	.2	.2									.9	4.0
S	.3	1.4	.2									1.8	5.1
SSW	2.1	.1	1.2	.9	.2	.2						5.6	7.4
SW	.9	2.3	2.1	.2								5.4	5.9
WSW	1.4	2.1	2.6	1.6								7.1	5.5
W	1.2	3.0	4.5	2.8	.5							12.0	5.5
WNW	.9	1.9	1.0	.2								4.7	6.2
NW	.3	1.0	.2									1.4	4.5
NNW	.0											.0	1.7
VARBL			.5	.2								1.0	5.0
CALM												2.1	
	23.1	1.9	19.4	6.4	.9	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 576

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1710 ALL A W 2 BAKER AAF CL STATION NAME 73-76,82-82 YEARS 1953 MONTH 1953
CLASS ALL LAT-LP 1953-1953
HOURS (LST) 1953-1953
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.7										1.7	2.1
NNE	.5	.5	.2									2.1	4.1
NE	1.1	1.1	.6	.2								2.1	4.9
ENE	1.3	5.1	3.2	1.7	.2							14.2	5.9
E	4.1	2.1	4.2	1.9								12.3	4.3
ESE	1.1		.2									1.2	2.1
SE		.1										.2	4.2
SSE	.1	.4										.2	2.7
S	.1	.7	.2		.2							1.2	4.9
SSW	.1	.2	.6		.4	.2						2.1	2.5
SW	.1	1.1	1.5	.2								4.2	4.1
WSW	.1	1.7	1.1	.2								3.2	5.7
W	1.1	4.1	6.6	2.6	1.3	.2						17.2	4.6
WNW	.3	3.4	1.1	.6								7.4	5.2
NW	.1	1.7	.8									2.3	3.7
NNW	1.2	.1	.2									2.3	3.3
VARBL			.2	.4								1.1	1.5
CALM												19.1	
	24.2	25.7	21.2	7.4	2.1	.4						100.2	5.2

TOTAL NUMBER OF OBSERVATIONS 527

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14710 COL A J DO BAKER AAF DL 77-76,80-22 FEH
STATION NAME YEARS MONTHS (L.Y.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	1.2	1.5									2.7	3.5
NNE	1.2	1.2	.2								2.7	4.3
NE	1.2	3.2	.5								5.9	4.1
ENE	5.7	6.2	5.4	1.2	.2						18.9	5.8
E	7.7	3.7	7.9	7.2							17.5	7.4
ESE	.7	.5									1.2	2.8
SE	.7										.7	1.7
SSE		.7									.2	4.5
S	.2	.7		.5	.2						1.7	9.4
SSW	.7	.5	.5	.5	.2						2.0	8.5
SW	.7		.7	.5							2.0	7.5
WSW	1.7	2.7		.7							3.2	4.5
W	1.7	4.4	3.7	2.0	.5						12.3	7.5
WNW	1.7	2.7	.2	.5							4.9	4.8
NW	3.2	1.5	1.0								5.7	3.9
NNW	3.2	.7	.2								4.2	2.8
VARBL			.5	.2	.2	.2					1.2	14.4
CALM											13.1	
	20.7	29.1	21.0	8.4	1.5	.2					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 405

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 00210 DEL A J 00 JAFET AAF DL STATION NAME 73-76,65-32 YEARS 1960-1969 NORTH
CLASS ALL DATA HOURS (LST) 1800-2500
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2											1.2	2.3
NNE	.1											1.2	2.3
NE	.1	3.1										4.3	2.9
ENE	2.7	6.6	2.7	.8								12.9	5.5
E	2.7	6.6	6.6	2.0								16.1	6.6
ESE		.4	.4									1.7	2.9
SE													1.0
SSE	1.1											1.2	2.2
S	.4	.4		.4		.4						1.2	11.3
SSW		1.0										2.3	4.2
SW	1.1	2.3	.4									4.3	4.2
WSW	.3	3.1	1.6	1.2								6.2	5.7
W	1.2	2.7	3.1	.8								7.8	7.2
WNW	1.2		.4									2.3	4.7
NW				.4								1.2	5.3
NNW		.4	.4									1.0	4.3
VARBL			.4		.4							.2	14.0
CALM												25.4	
	23.4	26.5	16.1	5.5	.4	.4						120.2	4.1

TOTAL NUMBER OF OBSERVATIONS 256

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 710 STATION NAME COL A JCS BAKER AAF DL YEARS 77-78, 80-82 MONTH ALL
CLASS ALL
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.2	3.1
NNE	.7	.7	.1									1.4	3.5
NE	1.4	1.5	.5	.1								3.6	4.4
ENE	3.3	4.7	3.0	.7	.1							11.1	6.6
E	4.3	2.3	4.2	1.5								12.5	6.0
ESE	1.7	.3	.1									1.9	2.6
SE	.7	.3										1.1	2.3
SSE	.7	.3	.1									1.1	3.1
S	1.7	.7	.7	.1	.1	.7						3.0	4.4
SSW	1.2	1.7	.8	.5	.2	.1						4.5	6.9
SW	1.2	1.7	1.7	.4	.7							5.1	6.1
WSW	1.4	2.4	1.9	.7								5.3	6.2
W	1.7	3.6	4.7	1.9	.6	.7						12.4	6.0
WNW	1.7	2.1	.8	.3								4.5	5.3
NW	1.4	.7	.4	.0								2.7	3.9
NNW	1.1	.4	.1									1.5	3.0
VARBL			.7	.3	.1	.7						.9	11.9
CALM												24.6	
	24.5	23.9	19.1	6.6	1.1	.7						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2343

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 710 DEL A J C BAKER AAF DL STATION NAME 73-78.80-82 YEARS 43
ALL WEATHER CLASS 6540-0800
 HOURS (LST) 437
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3										.4	3.6
NNE	.1		.5									.7	5.2
NE	.1	.7	.5									1.4	4.4
ENE	1.1	.7	.5	.3								2.6	5.1
E	.2	1.6	1.9	.9								6.6	6.2
ESE	1.4	.2										1.6	2.2
SE	.1	.2	.2									1.3	3.3
SSE	.3	.5	.2									1.0	2.5
S	2.4	1.4	.3	1.1								5.2	5.4
SSW	1.3	3.5	.9	.7	.3	.2						5.5	5.3
SW	3.1	4.4	3.5	1.4								12.9	6.0
WSW	1.7	4.6	1.6	.9	.2							6.9	5.9
W	2.4	3.4	2.4	1.6	.3							10.2	5.7
WNW	.1	.1	.8	.3	.2							2.3	5.8
NW	.5	.3	.3									1.4	3.9
NNW	.1	.5	.3									1.4	4.3
VARBL			.6	.8								1.4	11.6
CALM												71.0	
	24.2	22.9	14.3	7.7	.9	.2						120.2	4.5

TOTAL NUMBER OF OBSERVATIONS 437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 710 STATION NAME 01L A J 80 AKES BAF FL YEARS 73-78, 81-92 MAP NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.2										1.2	2.4
NNE	.2	.2										1.7	5.5
NE	.2	1.1	1.3									2.7	6.6
ENE	1.0	1.0	1.4	.3								5.5	5.1
E	2.7	1.3	2.5	1.6								1.3	7.2
ESE	1.0											1.0	2.0
SE	.2											.2	2.0
SSE	1.0	.0	.2									2.4	3.3
S	.2	1.1	.2	.9								4.4	5.3
SSW	1.0	1.6	.9	.5								4.7	5.3
SW	1.4	3.6	2.5	1.3	.2							9.0	6.0
WSW	1.7	3.3	.8	.6	.5							7.4	6.3
W	2.7	4.7	4.6	1.6	.9	.3						15.0	7.7
WNW	1.4	2.2	.9	.2	.3							5.0	5.7
NW	1.0	1.7	.5	.2								3.5	4.5
NNW	.2	.5	.3									1.0	4.3
VARBL			.2	.0								1.7	11.0
CALM												23.5	
	22.3	24.7	17.8	8.3	1.0	.3						170.2	4.7

TOTAL NUMBER OF OBSERVATIONS 635

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100710 ALL WEATHER BAKER AAF DL 73-76.81-62 73-76.81-62 73-76.81-62
STATION NAME CLASS YEARS MONTH
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	.7									4.2	4.3
NNE	.2	.5	.7									3.4	3.5
NE	1.1	1.7	1.2	1.0								4.1	4.6
ENE	3.2	3.7	2.2	1.0								12.2	5.6
E	.2	4.4	5.1	2.9								14.6	7.5
ESE		.										.3	5.5
SE		.											4.2
SSE		.											4.2
S	.	1.2	.3	.3								2.2	2.4
SSW	.7	.7	1.2	.3								2.3	2.4
SW	.3	1.2	2.2	.7								4.1	7.2
WSW	.7	2.2	1.0	.5	.2							4.5	6.8
W	3.7	5.3	3.4	3.0	.7	.2						15.7	7.6
WNW	1.2	2.7	1.9	1.4	.3							7.6	7.4
NW	2.7	2.7	2.4	.5								3.3	6.5
NNW	1.5	1.0	.2	.2								2.7	4.2
VARBL			1.2	.5	.7							2.7	12.6
CALM												1.0	
	10.0	31.1	23.5	12.4	1.9	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 501

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 171 COL A J 60 BAKER AAF DL STATION NAME 77-78,80-92 YEARS MAC MONTH 1500-1700 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.2	.4									4.2	4.1
NNE	1.5	1.5	.4	.2								3.8	4.4
NE	1.5	1.6	2.2									5.1	5.9
ENE	2.6	5.7	4.4	1.6	.2							14.9	6.4
E	1.5	5.3	5.7	2.7								17.8	7.7
ESE	.4	.2	1.1									1.8	6.3
SE	.2											.2	2.5
SSE	.2											.2	3.7
S	.4	.2	1.3	.7								2.7	5.1
SSW	.7	.9	.7	.7								2.9	6.7
SW	.7	.9	.2	.4								2.2	6.2
WSW	.4	2.7	2.0	.7	.2							3.3	7.4
W	1.7	4.4	2.0	1.6	.7							11.0	7.7
WNW	1.6	4.7	1.8	2.0								13.0	6.9
NW	2.2	2.9	2.7	.2								7.1	5.5
NNW	1.5	1.8	1.1	.4								5.1	5.3
VARBL		.7	1.3	.4	.2							2.2	10.8
CALM												4.2	
	17.1	34.7	29.1	11.6	1.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1-712 COL A W B BAKER AAF DL STATION NAME 73-78,80-92 YEARS 1977-2000
CLASS ALL WEATHER HOURS (L S Y) 1977-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4										2.3	2.7
NNE	.4	1.1	.4									1.5	4.6
NE	1.4	2.5	.4									4.2	4.3
ENE	.7	4.6	1.4	.4								11.7	4.4
E	4.4	7.4	4.2	2.8								19.1	6.2
ESE	1.4	.4	.4									2.1	4.2
SE			.4									.4	5.2
SSE	.7	.7										1.4	3.3
S	.7	.4	.7									2.2	5.2
SSW	1.1	3.2	.4									4.6	5.2
SW	2.1	1.4	2.1	.4								5.4	5.6
WSW	1.4	3.2	.7									5.2	4.6
W	2.1	2.1	2.5	1.4	.7							8.8	7.8
WNW	1.2	3.2	1.1									7.4	4.3
NW	1.4	1.6	2.1									5.7	5.5
NNW	1.4	.7		.4								2.2	4.4
VARBL			1.4									1.4	9.4
CALM												13.4	
	20.3	33.2	16.0	5.3	.7							108.3	4.7

TOTAL NUMBER OF OBSERVATIONS 283

U.S. AIR FORCE
 CLIMATE DIVISION
 WASHINGTON, D.C. 20330
 AFETAC
 WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1001 1001 A J 10 1001 AAF 11 71-78, 60-12 YEARS NORTH
 ALL WEATHER CLASS ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.1	.2									2.5	3.2
NNE	1.1	.5	.6	.7								3.1	4.4
NE	.3	1.2	1.1	.7								3.4	5.2
ENE	2.7	3.7	1.9	.7	.7							1.2	1.6
E	2.5	3.4	4.1	2.1								12.1	7.1
ESE	.	.2	.2									1.2	2.7
SE	.4	.2	.1									.7	2.2
SSE	1.7	.4	.1									1.2	2.8
S	1.7	1.2	.5	.7								3.2	5.3
SSW	1.2	1.2	.2	.4	.1	.						4.2	5.7
SW	1.7	2.6	.2	.6	.2							7.4	6.4
WSW	1.2	3.2	1.2	.6	.2							2.2	6.2
W	.3	4.4	3.1	1.2	.7	.1						12.4	7.5
WNW	1.7	2.5	1.3	.6	.2							2.2	6.2
NW	1.7	1.2	1.3	.2								1.2	5.2
NNW	1.1	1.2	.4	.2								2.7	4.2
VARBL		.	1.2	.7	.2							1.2	11.4
CALM												17.8	
	22.7	28.4	20.2	2.3	1.4	.2						100.2	5.1

TOTAL NUMBER OF OBSERVATIONS 7506

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 725 STATION NAME 77-76.80-52 YEARS 1950-1959
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												1.0	3.1
NNE	1.2											1.2	2.4
NE	1.3											1.2	4.2
ENE	1.1	1.7	.3	.2								4.5	3.4
E	1.7	1.5	2.3	1.0								2.3	6.9
ESE													2.7
SE	.7											.3	1.2
SSE													1.2
S	.7	2.7	.2	.6								7.2	4.4
SSW	5.7	3.5	.5									3.7	2.6
SW	1.1	.7	3.3									2.1	5.2
WSW	1.1	3.5	1.5	.2								6.7	5.2
W	1.1	4.0	5.3	.8								1.2	2.7
WNW	1.7	2.2	.3	.2								4.3	4.5
NW	1.1	1.1	.2									2.2	4.2
NNW	1.2											1.2	2.2
VARBL			1.1	.2								1.2	6.6
CALM												75.5	
	27.2	26.2	15.8	3.7								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 500

U.S. AIR CLIMATOLOGY BRANCH
 AFMPC
 AIR WEATHER SERVICE/AFMPC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1011 WFLA D-0 BAKER AAF FL 77-7E, 60-02 AP
 STATION NAME YEARS MONTH
ALL WEATHER
 CLASS
1950-1970
 HOURS (L & T)
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.7	.7									6.4	3.4
NNE	1.7	.5	.3	.2								3.0	4.2
NE	1.2	3.5	.7	.7								5.7	5.4
ENE	.7	2.5	2.5	.7								7.7	6.0
E	1.0	2.7	5.5	.3								12.0	7.6
ESE	.7	.3										1.3	2.7
SE	.7											.8	2.0
SSE	.7	.7										1.2	2.7
S	.7	.3	.3	.7								2.3	7.6
SSW	1.2	1.2	.5									2.8	4.4
SW	1.7	1.5	2.2	.5								6.5	5.7
WSW	1.0	3.0	2.2	.2								6.0	5.7
W	.7	4.5	6.2	1.3								15.0	6.7
WNW	1.7	2.5	3.8	.3								7.3	6.0
NW	1.0	2.6	.7	.2								5.2	4.6
NNW	1.0	1.2	.3									3.3	3.7
VARBL			.7	1.5	.2							2.7	12.2
CALM												10.0	
	24.1	31.1	26.1	8.5	.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 601

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 711 STATION NAME COL A JESSE BAKER AAF DL YEARS 77-78, 80-82 MONTH AP
CLASS ALL WEATHER HOURS (LST) 1200-1400
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.4	.5	.2								3.1	4.5
NNE	1.1	1.4	1.1									3.8	4.7
NE	1.1	2.2	2.7	.4								4.5	5.1
ENE	1.4	2.3	6.5	2.1								12.1	7.7
E	2.2	3.4	5.4	4.3								12.4	6.1
ESE	.7	.4										1.1	3.3
SE	.1	.2										.1	3.0
SSE	.1	.2										.1	3.1
S	.1	.3	.4									1.1	5.2
SSW	.4	1.6	1.6									3.3	6.2
SW		.7	.9									1.1	7.1
WSW	.4	1.6	1.1	.7								2.1	7.2
W	2.2	4.7	5.8	2.1	.2							14.1	7.4
WNW	2.9	3.8	3.4	1.3								11.4	6.3
NW	.6	1.4	1.3	.4								5.2	5.7
NNW	1.1	1.3	1.4									4.0	5.2
VARBL		.1	4.3	.9								2.4	9.3
CALM												.2	
	17.7	30.7	37.1	12.1	.2							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 553

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1717 COL AFB D FAKA AAF DL 77-77,80-92 AP NORTH
STATION NAME YEARS
ALL WEATHER CLASS 1972-1990
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
N	.2	1.0	.6									2.7
NNE	.7	.2	1.4	.2								2.3
NE	1.4	2.1	2.2	.7								7.4
ENE	.2	3.0	6.9	2.7	.2							14.0
E	.3	2.5	5.3	3.6								14.0
ESE	.2		.5									.7
SE	.6	.2										.7
SSE												
S	1.0	.7	.2	.2								3.9
SSW		2.0	1.4									3.9
SW	.7	2.3	.7									3.7
WSW	.2	1.1	.2									2.3
W	2.0	6.9	5.1	2.1								16.8
WNW	1.4	2.5	2.8	.6								7.6
NW	1.1	3.0	2.8	.2								7.1
NNW	.7	1.4	.7	.7								3.0
VARBL			3.0	2.1								6.0
CALM												4.4
	14.0	32.3	26.6	13.6	.2							120.2

TOTAL NUMBER OF OBSERVATIONS 435

JOINT CLIMATE LOGY WASH-
 AFETAC
 AIR WEATHER SERVICE/AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 112 STATION NAME CLAUDE BAKER AAF DL YEARS 77-77, 81-82 MONTH APR
 CLASS ALL WEATHER MOVER (L E Y) 18.0-2000
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	1.2									3.2	4.5
NNE	.4	.4										.2	3.5
NE		1.2	1.5									4.2	5.7
ENE	1.2	4.6	5.5	.8								12.4	6.7
E	1.2	.6	12.0	1.9								15.1	7.6
ESE	.6											.4	2.2
SE		.4										.4	4.2
SSE													
S	1.2	.4	1.2									3.1	4.5
SSW	1.1	3.6	1.2									5.1	4.3
SW	.4	3.6	.4									4.5	4.6
WSW	1.2	4.2	.6									5.2	4.4
W	2.3	5.0	3.9	1.5								.7	6.3
WNW	.4	2.7	2.3	.4								5.2	6.4
NW	1.2	1.2	1.2									4.2	4.7
NNW	2.7	.4	.9									3.5	2.1
VARBL			2.3	.8								3.1	7.5
CALM												7.7	
	11.3	35.1	32.4	5.4								100	5.5

TOTAL NUMBER OF OBSERVATIONS 200

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1710 COL A J SO BAKER AFB DL STATION NAME 71-78,80-2 YEARS
APR NORTH
ALL CLASS
ALL HOURS (LST)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	.6	.0								3.6	4.1
NNE	1.2	.7	.6	.1								2.6	4.5
NE	1.0	2.1	1.5	.3								4.4	5.9
ENE	1.0	2.7	4.1	1.3	.0							9.7	7.1
E	1.0	2.6	5.1	2.7								12.4	7.6
ESE	.0	.0	.1									.3	3.2
SE	.4	.2										.5	2.6
SSE	.0	.2										.3	2.9
S	1.7	.9	.4	.4								3.3	4.0
SSW	1.1	2.4	1.0									5.4	4.5
SW	1.0	2.7	1.9	.1								5.7	5.7
WSW	1.0	2.7	1.4	.2								5.3	5.6
W	2.3	5.0	5.4	1.5	.0							14.3	6.0
WNW	1.0	2.7	3.3	.6								7.4	6.0
NW	1.2	2.1	1.2	.2								5.2	5.2
NNW	1.4	.0	.6	.0								2.9	4.3
VARBL		.0	2.4	1.1	.0							3.5	10.0
CALM												11.5	
	11.0	30.1	28.6	8.6	.1							120.9	5.5

TOTAL NUMBER OF OBSERVATIONS 2486

U.S. AIR FORCE CLIMATOLOGY BRANCH
AF-TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 711 COL A W L C BAKER AAF DL STATION NAME 73-78.67-52 YEARS 1950-1955 DAY 1800-0000
CLASS ALL-WEATHER HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5										.2	3.5
NNE	.1	.3		.1								.2	5.2
NE	1.4	.2	.5									2.2	3.6
ENE	1.1	2.0	1.1									4.4	4.9
E	1.1	1.7	2.5	.8								6.4	6.9
ESE	.1	.3		.2								.2	5.0
SE	.1	.7										1.1	4.7
SSE	1.7	.2										1.3	2.3
S	3.1	1.4	.8		.2							5.7	3.5
SSW	1.1	2.7	.8	.6	.2							7.4	2.2
SW	3.4	4.7	1.6	.3								12.2	4.7
WSW	3.1	4.4	.6									5.2	3.9
W	4.7	5.3	2.8	.2								12.1	4.7
WNW	1.0	1.1	1.3									3.9	5.0
NW	.7	.5	.3									1.1	5.1
MNW	.8		.2									.9	5.2
VARBL			.7									.3	5.0
CALM												29.7	
	29.2	25.8	12.9	2.2	.2							100.7	3.3

TOTAL NUMBER OF OBSERVATIONS 436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 711 DILL AFB LAKE AAF LA 73-76, 80-82 MAY MONTH
STATION NAME YEARS
ALL-WEATHER CLASS 1980-1980
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.7	.3									2.1	3.5
NNE	1.4	1.6	.5									1.4	4.4
NE	.4	1.7	1.6	.2								4.2	6.3
ENE	5.5	4.9	6.4	.6	.2							15.7	6.7
E	1.5	1.6	7.1	1.6	.6							4.9	6.2
ESE	.3	.	.6	.6								2.5	7.2
SE	.7	.	.3									.5	6.0
SSE	.4	.6										.5	4.3
S	.9	1.1	.5									2.5	4.1
SSW	1.5	2.2	1.7	.5	.2							5.5	5.9
SW	1.5	1.7	1.1									4.2	4.9
WSW	1.1	3.4	2.									6.6	5.3
W	3.1	5.5	3.4	.6								12.9	5.6
WNW	.2	3.1	1.6	.3								10.2	4.5
NW	1.1	1.7	.8	.2								3.3	5.1
NNW	.9	1.5	.7	.2								2.7	4.4
VARBL		.7	1.7	.3								2.2	0.8
CALM												10.3	
	2.2	32.4	25.1	5.3	.8							100.2	5.1

TOTAL NUMBER OF OBSERVATIONS 636

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 710 COL A J C RAKE AAF DL STATION NAME 77-78.87-88 YEARS DAY MONTH 1233-1400 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	.8	.2								5.5	4.7
NNE	1.1	2.3	.3									3.3	4.1
NE	1.1	3.4	1.1	.5								7.2	5.1
ENE	1.1	4.6	7.2	.8	.7							14.3	6.9
E	1.1	3.2	6.4	2.6	.7							14.3	5.5
ESE	.	.2	.7	.3								1.1	7.3
SE	.	.5	.2									1.1	4.7
SSE	.7		.7									1.2	4.3
S	.	.3	.3									1.1	4.6
SSW	1.0	.	1.0	.2	.2							1.1	6.1
SW	.	1.5	1.0									2.5	5.7
WSW	.1	2.3	1.7									5.7	4.5
W	1.1	4.1	3.8	.7								12.5	6.2
WNW	1.1	4.6	3.1	.8	.7							12.5	6.4
NW	1.1	2.6	1.5	.5								5.7	5.6
NNW	1.1	2.5	.2									4.1	3.9
VARBL			3.3	.8								4.1	7.2
CALM												3.0	
	10.5	36.4	33.6	7.4	1.1							120.0	4.1

TOTAL NUMBER OF OBSERVATIONS 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10710 COL A J B O BAKER AAF DL 73-77, 80-82 44
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.4	.9									4.3	4.7
NNE	1.7	1.7	.9	.4								4.5	5.1
NE	.6	2.4	1.9									4.9	5.6
ENE	2.4	3.0	4.9	1.7								12.7	6.0
E	1.7	4.7	6.9	7.0	.2							16.6	7.9
ESE	.4	.4	.6									1.5	5.0
SE		.4										.6	4.0
SSE	.7	.4	.6	.2								1.5	7.1
S	1.1	1.7	.9	.2								3.9	5.1
SSW	.7	2.4	2.2	.2								5.6	6.2
SW	.7	1.7	.4	.2								2.5	5.9
WSW	2.2	1.0	.9									4.9	4.3
W	1.7	3.7	3.4	.6								9.5	6.1
WNW	1.7	3.2	2.2	1.1								3.0	5.4
NW	1.7	2.4	.9									5.2	4.8
NNW	1.7	1.7	.9									4.1	4.6
VARBL			3.7	1.3								4.9	9.6
CALM												4.1	
	10.1	35.5	32.0	9.0	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 465

CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE / MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 717 COL A J SO BAKER AAF DL STATION NAME 73-77, 81-82 YEARS MAY MONTH
ALL WEATHER CLASS 1800-2500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.4	1.2									2.1	4.3
NNE		1.2	.6									2.7	5.9
NE	2.3	1.2	1.6									5.2	4.7
ENE	2.7	7.8	5.2									16.7	5.9
E	.6	6.6	6.6	1.2								22.2	5.7
ESE	1.2	.4	.4									3.3	4.7
SE	1.2		.4									1.2	4.3
SSE	.4	.4	.4									1.2	4.3
S	1.3	2.3	.6									2.4	4.4
SSW	1.2	3.9	2.7	.8								1.9	6.2
SW	1.2	1.2	.4									3.3	4.7
WSW	.6	3.6	.4									4.7	5.3
W	1.2	7.1	3.1	.4								6.6	6.2
WNW	.6	1.2	2.3									4.3	6.2
NW	2.7	1.6	.8									5.1	4.4
NNW	.6	.6	1.2									6.7	5.4
VARBL			.6	1.2								1.9	10.6
CALM												6.6	
	21.8	38.1	3.2	3.5								122.2	5.3

TOTAL NUMBER OF OBSERVATIONS 257

CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1 710 COL A J D BAKER AAF DL STATION NAME 73-76,80-62 YEARS MAY NORTH ALL HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.5	.5	.7								3.8	4.3
NNE	1.0	1.5	.4	.1								3.5	4.6
NE	1.2	1.5	1.5	.2								4.7	5.5
ENE	.3	4.3	5.7	.7	.1							11.3	5.4
E	1.4	3.1	4.9	1.6	.3							11.3	7.8
ESE	.7	.5	.4	.7								1.5	6.3
SE	.7	.7	.2									.3	4.2
SSE	.7	.3	.2	.6								1.2	4.3
S	1.7	1.2	.5	.7								3.5	4.2
SSW	1.7	2.1	1.4	.4	.1							5.9	5.7
SW	1.7	2.4	1.0	.1								5.0	5.0
WSW	.2	3.1	1.2									6.5	4.5
W	2.7	4.0	3.3	.5								11.4	5.6
WNW	2.4	2.3	2.0	.5	.7							7.8	5.6
NW	1.2	1.7	.8	.7								4.0	5.1
NNW	1.1	1.3	.3	.7								2.6	4.2
VARBL		.7	2.0	.6								2.6	9.3
CALM												12.1	
	23.2	32.0	25.8	5.5	.5							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2606

OFFICIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 15710 COL A J D BAKER AAF DL STATION NAME 73-76.5-62 YEARS 1953-1962 MONTHS 12
CLASS ALL WEATHER HOURS (LST) 1432-0000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1											.3	1.8
NNE	1.0											1.0	2.2
NE	.5											.5	2.7
ENE	1.5	.2	.2									1.9	2.9
E	1.1	1.0	1.4									3.5	3.2
ESE	.1	.2										1.3	2.0
SE	.8	.2										.8	2.2
SSE	.2											.5	1.3
S	4.3	.6										5.0	2.1
SSW	4.5	3.7	1.1	.3								10.0	4.2
SW	4.5	4.5	1.3	.3								12.6	4.4
WSW	5.6	4.5	1.0	.2								11.3	3.8
W	4.2	7.2	2.1	.3								13.8	4.5
WNW	1.9	1.3	.2									3.4	3.1
NW		.1	.2									.3	0.5
NNW	1.1		.3									1.4	3.6
VARBL		.2	.3	.2								.5	9.8
CALM												3.5	
	33.5	23.7	8.1	1.3								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 621

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 71 JUL A D D BAKER AAF FL 77-78.8 -02 YEARS MONTH 1977-1978
STATION NAME CLASS ALL WEATHER HOURS (L E T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.0	0.2									2.0	4.8
NNE	2.0	2.3	0.2									2.3	3.7
NE	1.0	1.2	1.0									4.0	4.5
ENE	1.0	2.0	2.9	0.2								7.0	6.3
E	3.0	7.0	3.6	1.7								12.2	5.7
ESE	0	0.2	0.7	0.2								1.2	5.7
SE	0											0	2.0
SSE													
S	0	0.2										0.7	3.2
SSW	0	1.2	0.7									2.1	5.2
SW	2.1	3.1	1.2									5.4	4.4
WSW	2.1	3.5	0.8									7.0	4.2
W	4.4	6.6	4.6	0.2								17.1	5.2
WNW	3.0	4.0	1.2	0.2								10.5	4.5
NW	1.0	4.0	0.5	0.2								6.4	4.6
NNW	2.3	2.0	0.3									4.0	3.9
VARBL		0	1.3									1.0	5.0
CALM												9.7	
	22.3	34.2	18.6	3.1								11.0	4.4

TOTAL NUMBER OF OBSERVATIONS 607

U.S. AIR FORCE
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1710 STATION NAME WILLOW BAKE AAF DL YEARS 73-78 MONTH JULY
CLASS ALL WEATHER 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	3.7	.4									7.2	4.0
NNE	1.0	2.0	.5	.7								5.4	5.4
NE	.0	2.3	1.1	.2								4.4	5.6
ENE	1.1	3.7	3.5	.7								3.0	6.6
E	1.0	3.0	7.7	2.5								14.5	7.8
ESE	.0	.4	.4									.9	5.8
SE	.0	.4										.5	4.3
SSE	.0											.0	4.0
S	.7	.9	.4									1.2	4.5
SSW	1.2	2.3	.2									3.7	4.3
SW	.7	1.0	.5									2.2	4.7
WSW	1.0	3.3	1.2	.5								6.7	5.6
W	2.0	.0	3.7	.4								12.7	5.5
WNW	1.0	4.4	2.3	.4								9.7	5.7
NW	1.0	2.3	1.9									6.2	5.0
NNW	1.7	3.5	.7									7.9	3.9
VARBL		.0	1.8	.2								2.5	6.4
CALM												4.0	
	22.7	41.7	26.2	5.4								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 555

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 17-710 STATION NAME COL A J D BAKER AAF CL YEARS 77-78, 80-82 MONTH JULY
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.0	1.1									5.7	3.9
NNE	1.1	2.3	.5									4.4	3.9
NE	1.4	1.0	1.4									4.5	5.3
ENE	.9	3.9	5.1	.6								11.5	7.0
E	1.1	3.7	7.6	2.1								15.4	7.5
ESE	.7	.7	.2									.7	5.0
SE	.7	.7										.7	3.5
SSE	.7	.5										.7	3.7
S	.7	.7	.7									1.6	4.3
SSW	.7	1.0	.9	.7								3.4	6.7
SW	1.1	2.5	1.4									5.1	5.5
WSW	1.0	3.2	1.1	.7								6.7	5.9
W	1.4	4.1	3.2									9.2	5.7
WNW	1.0	4.1	3.2	.7								9.4	5.8
NW	1.1	4.1	1.6	.2								5.0	4.9
NNW	1.0	2.1	2.3									6.2	5.3
VARBL		.7	2.3	.7								3.2	8.9
CALM												5.9	
	21.1	37.2	32.2	5.5								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 435

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 710 WIL A W 40 BAKER AAF DL 73-75.81-82 YEARS 1973-1975
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.2										3.5	3.6
NNE	.2											.7	1.5
NE	.2	2.2	.4									3.5	4.9
ENE	.2	5.2	.2	1.7								13.9	6.1
E	3.7	1.7	7.8	.9								22.2	5.8
ESE	.2	.4	.4									1.7	4.5
SE		.4	.4									.9	5.5
SSE		.4										.4	4.2
S	1.7	.4										2.7	5.2
SSW	.2	1.7	1.7									4.3	5.4
SW	2.2	1.7	2.6	.4								7.4	5.6
WSW	.2	3.0	.9	.9								7.2	5.3
W	1.0	3.1	2.2	.4								9.1	5.4
WNW	.2		1.7	.4								2.9	7.2
NW	1.7	2.6	.9									5.2	4.7
NNW	1.7	3.0										4.6	3.8
VARBL		.2	1.7									2.2	7.4
CALM												5.7	
	23.7	37.8	25.7	4.3								170.0	4.9

TOTAL NUMBER OF OBSERVATIONS 270

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 717 COLA J. J. O. RAMEL AAF CL YEARS 73-78, 80-82

STATION NAME CLASS ALL WEATHER

CONDITION

MONTH ALL

HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7	.3									4.1	3.6
NNE	1.7	1.6	.2	.2								3.7	4.1
NE	1.1	1.7	.6	.7								3.2	5.0
ENE	1.7	2.4	2.0	.6								7.5	6.7
E	.2	3.4	5.1	1.7								12.1	6.7
ESE	.4	.3	.2	.7								1.3	4.6
SE	.	.7	.6									.5	3.3
SSE	.	.1										.3	2.6
S	1.6	.5	.1									2.3	2.9
SSW	1.7	2.2	.8	.2								4.9	4.7
SW	.3	3.	1.2	.1								6.6	4.7
WSW	2.4	3.7	1.	.4								8.0	4.7
W	3.7	5.4	3.3	.3								13.1	5.2
WNW	.3	3.3	1.5	.2								7.3	5.1
NW	1.7	2.6	1.	.1								5.0	4.8
NNW	2.2	1.	.7									4.9	4.2
VARBL		.	1.4	.7								1.9	6.5
CALM												13.3	
	27.6	34.6	20.8	3.7								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 2462

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1-710 STATION C L A J 30 BAKER AAF DL STATION NAME 73-74.80-82 YEARS JML MONTH 0600-2400 HOURS (L S T)
ALL WEATHER SS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2		.7									.3	5.0
NNE	.2	.2										.5	3.3
NE	.2	.3										.5	4.0
ENE	.2	.2										1.3	4.1
E	.2	.4										1.7	2.6
ESE	.2											.5	2.2
SE	.7											.7	1.8
SSE	.1											.2	1.2
S	3.2	1.2										4.9	2.4
SSW	4.4	5.1	.7	.3	.3							15.9	4.0
SW	4.3	4.7	1.8	.3								11.3	4.7
WSW	4.5	8.1	2.1	.2								15.1	4.6
W	.4	6.2	2.0									13.7	4.4
WNW	1.2	1.4	.5									3.3	4.4
NW	.5	.8	.2									1.5	4.2
NNW	.7	.3	.2									.8	4.0
VARBL		.1	.3	.7								1.2	7.8
CALM												31.0	
	2.6	30.4	7.9	1.2	.3							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1071 COL A JRO BAKER AAF DL STATION NAME 77-78,85-92 YEARS
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	.3									1.4	4.2
NNE	.1	.5										1.3	3.4
NE	.7	.7	.7									2.0	4.5
ENE	2.4	4.4	1.7	.2								9.3	4.8
E	2.7	2.3	.5	.2								6.0	4.2
ESE	.7	.3	.2									1.2	3.9
SE	.2											.2	1.0
SSE	.1	.3										.3	2.6
S	.5	.3	.2									1.3	3.1
SSW	1.7	1.3	1.0	.5								4.5	5.6
SW	1.7	3.5	.7	.3								6.2	4.3
WSW	.3	4.1	1.3	.2								7.9	4.9
W	5.4	7.0	3.0	.7								16.1	5.7
WNW	3.7	5.2	2.0	.2								11.1	4.5
NW	2.2	3.0	2.2	.2								7.4	5.1
NNW	2.7	2.3	.3									5.4	3.8
VARBL			2.3									2.3	6.2
CALM												13.9	
	30.1	36.3	16.8	2.3								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 597

U.S. AIR FORCE
CLIMATE DIVISION
AFETAC
A. W. LEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 710 STATION NAME U.S. AIR FORCE BAKER AAF DL YEARS 73-78, 80-82 MONTH JUL
CLASS ALL WEATHER HOURS (L & T) 1200-1400
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.3	.6									5.4	3.9
NNE	2.4	2.4		.2								5.2	3.9
NE	1.1	1.5	.6									3.1	4.6
ENE	2.6	3.5	2.6	.4								9.2	5.4
E	1.7	5.7	3.9	.9								11.5	6.1
ESE	.7	.2	.4	.2								1.5	4.9
SE													
SSE	.2											.2	2.5
S	.7	.7	.2									1.7	3.5
SSW	1.1	1.1	.2	.7								3.9	5.2
SW	.6	1.1	1.1									2.9	3.6
WSW	1.5	2.9	1.5	.7								6.4	4.9
W	1.7	5.5	3.5	.6			.2					11.4	6.5
WNW	2.0	5.7	3.5	.2								11.4	5.6
NW	1.3	5.1	2.0	.4								8.8	5.7
NNW	1.1	5.0	1.5	.2								9.7	4.7
VARBL			2.6	.4								2.9	9.2
CALM												4.4	
	23.7	43.7	23.9	4.2			.2					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 505

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 710 COL A J 12 BAKER AAF DL 73-76, 80-82 YEARS JUL MONTH
CLASS ALL - EATHER 1600-1700 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	3.1	.2	.2								7.6	3.6
NNE	1.0	1.0	.2									2.9	4.1
NE	1.0	1.2	2.7									4.9	5.8
ENE	.3	5.1	1.4	.4								9.2	5.2
E	2.7	5.7	5.7	1.2								14.8	6.3
ESE	.4		.2	.2								.6	5.3
SE	.2											.2	2.0
SSE	.2	.2										.4	3.0
S	.4	.2	.6	.4								1.6	7.8
SSW	1.0	1.0	1.2	.2								4.3	5.6
SW	.6	1.6	1.4									3.7	5.9
WSW	1.2	3.0	1.0									6.2	5.1
W	2.5	5.7	2.7	.2	.2							10.7	5.5
WNW	1.0	3.3	2.1	.2								6.6	5.7
NW	1.0	.1	3.9	.2								1.3	5.0
NNW	.3	4.3	1.2	.2								9.0	4.5
VARBL		.2	2.5	.2								2.9	5.7
CALM												3.7	
	42.5	42.5	27.1	3.7	.2							120.2	5.3

TOTAL NUMBER OF OBSERVATIONS 407

JOINT CLIMATE BRANCH
USAFETAC
AIR FORCE SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 710 WIL A WIND BAKER AAF DL 73-76,82 YEARS 73-76,82 MONTHS 73-76,82

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.1										5.5	3.6
NNE	1.0											1.0	2.0
NE	.4	1.5	.4									2.4	4.5
ENE	2.0	4.3	2.0									5.2	4.9
E	3.5	.6	5.9	1.6								19.6	5.8
ESE		.4		.4								.8	1.0
SE		.4										1.2	3.7
SSE			.4									.4	7.0
S	.4	.7	.4	.8								2.4	7.3
SSW	1.2	1.6	.8	.4								3.9	5.6
SW	1.7	3.1	2.7	.4								7.8	5.6
WSW	2.4	5.1	1.6									9.2	4.7
W	2.4	5.5	2.0									9.8	5.0
WNW	3.0	3.9	2.0	.4								10.2	5.1
NW	2.7	1.2	1.2									5.1	4.2
NNW	2.4	.7										3.1	2.8
VARBL		.7	.4	.4								1.2	9.3
CALM												7.8	
	27.5	47.8	19.6	4.3								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 255

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 0710 COL A J CO BAKER AAF DL 73-78, 81-82 JUL 1981
STATION STATION NAME YEARS MONTHS
ALL WEATHER CLASS ALL HOURS (L & T)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.0	.3	.0								4.3	3.6
NNE	1.2	1.0	.0	.0								2.2	3.7
NE	.7	1.0	.0									2.0	5.1
ENE	.0	3.5	1.4	.2								7.1	5.1
E	1.1	3.7	2.8	.6								7.2	5.7
ESE	.0	.2	.2	.1								1.0	4.0
SE	.3	.0										.4	2.3
SSE	.4	.1	.0									.6	2.6
S	1.4	.6	.2	.2								3.4	3.9
SSW	2.0	2.5	.8	.4	.1							5.3	5.2
SW	1.0	2.9	1.4	.2								6.4	5.1
WSW	2.6	4.9	1.5	.1								9.1	4.8
W	3.7	6.0	2.7	.3	.0		.0					12.0	5.2
WNW	2.2	3.0	2.0	.2								6.3	5.1
NW	1.4	3.2	1.0	.2								6.5	5.4
NNW	2.3	2.6	.7	.1								5.7	4.3
VARBL		.2	1.7	.2								2.1	0.7
CALM												13.6	
	26.0	38.2	16.5	2.9	.1		.0					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2492

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1471 COL A J SO BAKER AAF IL STATION NAME 73-78.62-82 YEARS ALL WEATHER CLASS 600-7800 HOURS (L & T) CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.5	1.3
NNE	.7		.2									.8	3.8
NE	.7											.7	2.3
ENE	1.7											1.0	1.6
E	.7	1.2	.7	.3								3.2	6.4
ESE	.7		.7									.9	4.6
SE	1.7	.3										1.7	3.2
SSE	.7	.3										.3	2.6
S	.3	.3	.2	.2								4.5	3.1
SSW	5.6	3.7	1.2	.2								9.7	3.7
SW	4.7	5.3	1.0	.2								10.9	4.2
WSW	5.4	5.0	1.3									11.7	4.1
W	3.6	4.6	1.5	.5								12.5	4.6
WNW	1.2	.7										1.6	3.5
NW	.7	.2	.2									1.2	3.7
NNW	.3											.5	1.7
VARBL		.7	.3									.5	2.2
CALM												10.5	
	21.2	21.3	6.6	1.3								100.2	2.4

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 4710 COL A J 60 BAKER AAF FL 73-78, 81-82
STATION MONTH
ALL WEATHER CLASS 200-1100
HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.7										3.8	3.2
NNE	1.7	.7										2.4	2.4
NE	.1	1.7										2.7	3.5
ENE	1.0	1.4	.9									4.2	4.3
E	1.3	2.6	1.7	1.7								6.4	5.8
ESE	.4		.7	.7								.9	5.4
SE	.7											.3	2.0
SSE	.7											.5	2.3
S	.7	.2	.7									1.5	5.0
SSW	1.3	2.3	.9									5.4	4.1
SW	2.4	3.3	.5	.3								6.5	4.4
WSW	3.4	4.4	.5	.3								9.1	4.2
W	5.0	5.4	2.8	.2								14.3	4.5
WNW	4.0	3.1	.5	.2								7.5	4.0
NW	2.4	1.9	.3		.2							4.9	4.2
NNW	2.4	1.4										3.5	2.9
VARBL			.9									.5	6.4
CALM												2.4	
	36.6	30.0	9.9	3.1	.2							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 574

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0710 STATION NAME CIL A J 20 TAKER AAF CL YEARS 77-78-8-52 MONTH ALL-WEATHER CLASS 1200-1400 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.7	2.7	.2									7.5	3.2
NNE	1.7	2.0										2.3	3.6
NE	2.2	3.3	.9									6.4	4.6
ENE	2.4	3.5	2.9	.7								9.0	5.7
E	1.8	3.8	3.5	3.3	.4							13.2	6.5
ESE	.7	.5										.7	7.0
SE	.4	.2										.2	2.7
SSE	.7	.2										.4	2.5
S	.1	.4	.4									1.3	4.7
SSW	.7	.5	.5	.2								2.2	5.0
SW	1.4	1.5	1.3									4.4	5.1
WSW	1.7	1.5	.4	.7								3.3	4.6
W	2.0	5.1	2.6	.9	.7							11.4	6.5
WNW	4.0	6.7	1.1	.9	.2							12.3	5.0
NW	1.7	6.6	.9									9.0	4.6
NNW	3.7	3.3	.5									7.5	3.8
VARBL			1.1	.7								1.8	9.4
CALM												5.9	
	20.0	41.0	17.2	6.4	.7							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 596

CELESTIAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10010 COL AFB D BAKER AAF DL 77-76,81-92
STATION NAME YEARS
ALL WEATHER CLASS 1500-1700
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.7										2.2	2.7
NNE	2.8	1.7										3.5	3.1
NE	2.8	2.2	.4	.2								4.8	4.1
ENE	2.4	3.2	1.1									5.5	4.5
E	2.2	3.4	6.2	3.7	1.1							15.8	7.8
ESE	.4		.4									.9	4.5
SE													
SSE	.4											.4	1.6
S	.4	.4	.3	.7								1.7	5.5
SSW	1.5	1.0	.6	.4								4.7	5.6
SW	.1	1.0	.9	.7								7.0	5.1
WSW	1.7	3.0	1.5	.4								6.6	5.4
W	7.4	3.6	.6	.6								12.2	4.5
WNW	7.2	3.0	2.8	.1								13.3	5.1
NW	3.2	4.7	1.5									9.4	4.4
NNW	3.0	1.0	1.5									6.4	4.5
VARBL		.7	1.5	.2								1.9	5.9
CALM												3.5	
	32.1	32.1	19.2	5.6	1.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 452

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1710 COL A J NO BAKER AAF DL STATION NAME 73-7E, 81-52 MONTH ALL
CLASS FEATHER 1800-2000
HOURS (LST) 1800-2000
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.0										2.1	4.0
NNE	.1	.4										1.2	2.7
NE	1.0	2.4										4.2	3.7
ENE	4.0	3.6	.4									8.1	3.5
E	4.0	4.7	5.3	3.6								22.7	6.6
ESE	.1	.4										1.2	2.7
SE	.4	1.2	.4									2.0	4.4
SSE													
S	1.2	.1	.4									2.0	4.0
SSW	2.4	1.2	.8									4.5	4.2
SW	2.4	4.1	2.0	.4								9.7	2.3
WSW	2.1	1.5	.4									4.0	3.5
W	1.2	6.5	.4									10.1	4.2
WNW	2.1	1.6	.4									4.7	3.3
NW	.1	1.2	1.2	.1								4.0	6.6
NNW	1.1		.4									2.0	2.5
VARBL			1.2	.4								1.6	9.3
CALM												13.8	
	22.6	37.7	13.8	5.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 247

U.S. AIR FORCE CLIMATOLOGY BRANCH
 USAFETAC
 AIR FORCE THER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 710 COL A GORDON BAKER AAF DL 73-75,80-82
 STATION STATION NAME YEARS
 ALL WEATHER
 CLASS
 ALL
 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	1.5	.5									4.2	3.2
NNE	1.4	.5	.5									3.3	3.1
NE	1.6	1.6	.3									4.0	4.0
ENE	.1	2.1	1.1	.5								5.3	4.6
E	2.4	3.4	3.2	2.2	.3							11.4	7.1
ESE	.5	.5	.5	.5								.9	5.0
SE	.5	.5	.5									.5	3.2
SSE	.4	.1										.5	2.4
S	1.7	.5	.4	.1								2.3	4.1
SSW	2.5	2.5	.8	.2								5.4	4.3
SW	2.5	3.2	1.0	.2								6.9	4.6
WSW	.5	3.3	.9	.2								7.4	4.3
W	3.0	5.5	1.8	.5	.0							11.1	4.9
WNW	3.0	3.0	.9	.3	.0							7.3	4.6
NW	1.5	3.0	.7	.1	.0							5.6	4.6
NNW	0.3	1.4	.5									4.1	3.7
VARBL		.1	.0	.2								1.3	5.9
CALM												15.0	
	32.7	31.6	12.9	4.1	.4							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2441

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1710 COL A J D BAKER AAF DL STATION NAME 73-75, 80-82 YEARS 1973-1982 MONTH 0600-1800
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3										.7	3.0
NNE	.2											.2	2.0
NE	.2	.2										1.0	2.8
ENE	1.2	.5										1.7	2.6
E	.2	.7	.3									3.0	3.1
ESE	.2											.7	1.5
SE	.2											.2	1.0
SSE	.3	.3										2.7	2.2
S	4.5	1.0	.3	.2								5.5	3.2
SSW	4.5	3.8	1.2	.7								10.2	4.6
SW	.2	5.7	1.5	.7								17.2	5.7
WSW	4.5	4.3	1.2	.2								11.2	4.1
W	3.5	4.9	1.5	.7								10.5	5.0
WNW	.2	1.0	.3	.2								1.8	2.2
NW	.2	.2	.2									.8	4.8
NNW	.7	.3	.2									1.2	3.7
VARBL			.5	.2								.7	10.5
CALM												19.1	
	27.5	23.2	7.2	2.7								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 499

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 710 COL A JUD BAKER AAF DL 73-78,80-82
STATION MONTH YEARS
ALL EATHER
CLASS
CONDITION
0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3										1.2	2.6
NNE	.1	.7	.2									1.3	3.6
NE	1.1	1.7	.5									3.7	4.0
ENE	.5	2.4	1.5									5.9	4.7
E	.2	1.7	2.0									6.9	4.2
ESE	.1											.5	2.3
SE	.1	.5										.8	3.8
SSE	1.2	.5	.2									1.9	3.4
S	2.1	.5	.2									3.2	2.7
SSW	1.1	2.2	1.5	.5								6.1	5.6
SW	3.0	2.5	1.5									7.1	4.8
WSW	1.4	4.4	1.5									11.3	4.1
W	4.6	4.7	1.2	.7								11.1	4.6
WNW	4.2	2.0	.5	.5								8.1	4.0
NW	1.2	1.3	.2									2.7	3.5
NNW	1.5	1.5	.2									3.2	3.5
VARBL				.5								.8	12.5
CALM												24.1	
	34.4	27.8	11.1	2.5								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 503

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14710 STATION COL A J 60 BAKER AAF DL 73-76, 82-82 YEARS SEP
STATION NAME ALL WEATHER CLASS 1200-1400
CONDITION MOON (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	2.0	0.2									5.1	3.8
NNE	1.0	1.5	0.2									4.1	3.7
NE	0.5	2.0	1.3									5.0	5.3
ENE	2.5	4.6	3.3									10.5	5.4
E	2.4	2.0	5.5									10.5	6.2
ESE	0.1	0.1	0.2									0.9	5.2
SE	0.4											0.4	2.5
SSE		0.1										0.2	4.0
S	1.0	0.6	0.1	0.2								2.2	4.0
SSW	1.0	1.3	0.7	0.2								3.5	4.8
SW	0.7	1.3	0.7									2.3	2.4
WSW	1.0	1.1	2.2	0.2								5.3	5.9
W	2.0	5.5	2.4	0.7								11.2	5.7
WNW	0.3	5.1	1.7	0.2	0.4							12.7	4.7
NW	2.0	4.2	0.7									7.9	4.1
NNW	4.0	1.5	0.7	0.2								6.4	3.9
VARBL			1.1	0.2								1.3	0.6
CALM												10.0	
	30.1	35.2	21.1	1.8	0.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 545

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1 4711 COL A J 60 BAKER AFB TX 73-78,81-92
STATION MONTH
ALL WEATHER CLASS 1500-1700
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.1	.2	.2								2.7	3.6
NNE	1.5	1.3	.7									3.3	4.1
NE	1.7	3.3	1.3									6.3	4.8
ENE	4.4	3.5	2.4									10.2	4.7
E	2.4	6.1	9.4									17.9	6.4
ESE		.7	.7									1.3	7.3
SE	.2											.2	2.0
SSE	.2		.2									.4	4.0
S	.9	.2		.2								1.3	4.5
SSW	1.5	2.7	.7	.4								4.6	5.2
SW	1.7	2.2	1.1									5.0	4.4
WSW	1.3	2.0	1.3	.2								4.3	5.3
W	2.8	3.5	.9									7.2	4.1
WNW	2.4	6.1	1.1	.2								9.8	4.8
NW	3.1	3.1	.6									7.0	4.1
NNW	4.1	2.2										5.3	3.0
VARBL		.2	.9									1.1	7.8
CALM												9.5	
	3.3	37.3	21.6	1.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 459

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1071 STATION NAME COL A J 50 BAKER AAF TX YEARS 73-78, 81-82 SEP
ALL WEATHER 1800-2000
 CLASS MOUSE (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0											.9	2.5
NNE	1.0											1.3	1.7
NE	2.1	1.7										1.4	3.3
ENE	4.3	3.0	.4									5.5	3.8
E	4.7	13.2	3.0									20.9	4.6
ESE	.4	1.3										1.7	4.0
SE													
SSE	.0											.2	2.0
S	.4			.4								.0	7.5
SSW	2.6	1.7	2.1	.4								6.2	4.9
SW	.1	3.0	1.3									5.4	3.5
WSW	1.3	3.4	1.7									5.4	4.9
W	1.7	2.6	1.3									5.6	4.7
WNW	2.6	2.6										5.1	3.1
NW		.4										.4	4.0
NNW	.0		.4									1.3	3.3
VARBL			.0									.9	7.5
CALM												25.6	
	29.1	33.3	11.1	.9								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 234

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

11-710 STATION CCL A J 80 BAKER AAF DL 73-78,80-82 YEARS SEP MONTH
STATION NAME CLASS ALL WEATHER ALL HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	.1	.0								2.4	3.5
NNE	.9	.7	.2									1.8	2.7
NE	1.3	1.7	.7									3.8	4.5
ENE	2.6	2.8	1.6									7.0	4.7
E	2.7	3.7	3.9									10.2	5.4
ESE	.4	.4	.2									.7	4.5
SE	.2	.1										.4	3.0
SSE	1.7	.2	.1									1.3	2.8
S	3.1	.6	.2	.2								3.0	3.4
SSW	2.4	2.8	1.2	.5								6.3	5.0
SW	2.3	3.7	1.2	.2								6.7	4.8
WSW	3.2	3.1	1.6	.1								6.2	4.6
W	3.3	4.5	1.5	.5								9.7	4.9
WNW	3.7	3.5	.8	.2	.1							7.6	4.5
NW	1.6	1.9	.4									4.0	4.1
NNW	2.3	1.2	.3	.0								3.8	3.5
VARBL		.1	.6	.3								.9	9.6
CALM												2.2	
	30.5	30.8	14.4	2.0	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 2430

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0710 STATION NAME COL A W H BAKER AAF DL YEARS 73-78, 80-82 GORTS 017
CLASS ALL WEATHER HOUSE (L.S.T.) 1622-1600
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	1.5
NNE													
NE	.2	.3										1.2	2.7
ENE	2.6	.2	.2	.3								3.3	3.9
E	2.1	.2										2.2	2.2
ESE	.7	.5	.2									1.5	3.7
SE	.7	.3										1.0	2.0
SSE	2.1	.2										2.2	2.0
S	4.6	2.6	.2									7.4	3.0
SSW	4.3	2.6	1.4	.2								8.4	4.2
SW	.7	4.1	1.4	.3								5.5	4.8
WSW	2.6	3.6	1.9									8.1	4.8
W	2.3	3.4	1.5									6.2	4.6
WNW	1.5		.2									1.7	3.2
NW	1.9	.5										2.4	2.2
NNW	.3											.3	1.5
VARBL		.7	.3	.5								1.7	10.2
CALM												11.5	
	31.2	10.7	7.2	1.4								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 503

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14717 COL A JED BAKER AAF DL STATION NAME 73-78,80-P2 YEARS 667 MONTHS 1999-1999
ALL WEATHER CLASS 1999-1999 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2											1.2	1.9
NNE	1.1	.5										1.6	3.1
NE	1.2	.2										1.4	2.9
ENE	1.5	1.4	1.4	.7								5.3	5.6
E	2.5	1.1	1.4									5.3	4.3
ESE	1.4	.4	.2									1.9	3.0
SE	.7		.2									.9	2.6
SSE	.7											2.7	1.7
S	1.4	1.6	.7	.2								4.1	4.7
SSW	2.1	2.1	2.1	.7								7.8	5.9
SW	2.1	3.5	1.8	.2								7.6	5.2
WSW	2.7	3.9	1.6	.2								5.3	4.9
W	3.4	5.1	2.1	.2								10.5	4.9
WNW	1.4	2.5	.4	.2								4.5	4.8
NW	2.7	.5										3.5	2.6
NNW	1.6	.2										1.3	2.1
VARBL			.7	.4								1.1	10.3
CALM												24.9	
	31.7	24.0	12.7	2.7								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 566

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1-710 COL A J MC BAKER AAF DL STATION NAME 73-76.80-E2 YEARS 001
ALL WEATHER CLASS 1200-1400 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	0.4										2.6	2.9
NNE	1.1	1.1										3.2	3.3
NE	2.6	3.9	0.6									7.0	4.0
ENE	3.5	2.6	3.1	0.4								9.6	5.2
E	3.7	2.2	2.4	1.1								9.2	5.7
ESE	0.4	0.2	0.2	0.2								0.9	5.2
SE													
SSE	0.2		0.2									0.4	4.5
S	0.2	1.0	0.7									2.3	5.9
SSW	1.0	2.8	1.3	0.4								6.3	5.1
SW	0.7	2.0	0.9									3.7	5.4
WSW	1.7	3.5	0.9	0.6								6.3	5.4
W	2.9	5.3	2.8	1.3								12.0	6.4
WNW	3.5	4.8	0.7	0.4								9.4	4.4
NW	3.3	4.2	0.4									7.9	3.8
NNW	3.3	1.7	0.2									5.2	3.1
VARBL			2.4	0.2								2.6	6.7
CALM												10.2	
	30.6	36.1	16.8	4.4								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 243

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

1. 710 COL A J. D. PAKER AAF DL 73-78,81-82 667
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1980-1980
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	.5	.2									1.1	2.4
NNE	1.1	1.4										2.5	3.0
NE	3.1	2.9										6.0	3.6
ENE	4.5	5.3	3.6	.2								13.3	4.9
E	1.1	4.7	5.9	.9								13.1	6.5
ESE	.2	.5										.7	1.7
SE	.5											.9	2.0
SSE	.2											.1	1.0
S	1.4	.5	.7	.2								3.2	4.9
SSW	.5	.2	1.1	.2								3.2	5.9
SW	1.4	2.1	.5									3.5	4.6
WSW	.7	2.5	1.6									4.7	5.6
W	3.4	4.3	3.6	.7								12.2	5.7
WNW	4.1	4.1	.9	.5								9.5	4.4
NW	2.9	2.0	.5									5.4	3.3
NNW	2.7	1.6										4.3	3.3
VARBL			1.1	1.1								2.3	10.7
CALM												9.9	
	33.2	33.7	19.9	3.1								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 443

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10710 COL AFB BASED AAF DL STATION NAME 73-74.81-82 YEARS 1971-1972 NORTH
ALL WEATHER CLASS 1800-2000 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.3									.7	3.0
NNE													
NF	.7	1.7	.7									3.1	4.9
ENE	6.7	2.1	2.4									11.4	3.6
E	5.7	4.7	3.1									13.5	4.4
ESE	1.0	.3										1.4	2.3
SE	.7											.7	3.0
SSE	1.4											1.4	3.0
S	1.0	.7										1.7	3.4
SSW	1.0	2.0	1.0									4.0	4.6
SW	2.1	2.1	.3									4.5	3.5
WSW	3.1	4.0	2.1									10.0	4.7
W	1.2	3.0	2.4									10.4	4.4
WNW	.7	.7	1.4	.3								2.5	7.4
NW	.3	.3	.3	.3								1.4	6.5
NNW	.7											.7	2.0
VARBL			2.7	.3								3.1	9.0
CALM												20.4	
	29.4	24.2	17.0	1.0								10.0	3.2

TOTAL NUMBER OF OBSERVATIONS 289

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL-WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1-710 COL A J 90 BAKER AAF DL 77-78, 80-92 2-1
STATION NAME YEARS MONTH
CLASS ALL-WEATHER
HOURS (L.E.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.2	.1									1.5	2.5
NNE	.0	.0										1.4	3.1
NE	1.5	1.7	.7									3.5	3.8
ENE	3.1	2.1	2.0	.4								5.5	4.8
E	1.5	3.2	2.3	.4								7.7	5.2
ESE	.0	.4	.1	.7								1.8	3.5
SE	.7	.1	.0									.7	2.6
SSE	1.4	.0	.0									1.4	1.9
S	.0	1.6	.5	.1								4.1	4.1
SSW	.0	2.4	1.4	.3								6.4	5.1
SW	1.5	2.9	1.1	.1								5.9	4.9
WSW	.0	3.6	1.6	.2								7.3	5.7
W	.3	4.5	2.5	.5								10.6	5.3
WNW	.3	2.6	.6	.2								5.7	4.6
NW	2.3	1.6	.2	.0								4.3	3.3
NNW	1.4	.7	.0									2.0	3.0
VARBL		.0	1.3	.5								1.9	9.6
CALM												24.9	
	11.1	27.1	14.1	2.8								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2424

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10710 COL A J MC BAKER AAF DL 77-78.62-52 NOV
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
1600-2800
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.4	.5									1.4	5.6
NNE	.4											.4	2.0
NE	1.1	.0										1.2	2.4
ENE	1.4	1.6	.7									3.7	4.4
E	1.2	1.4	1.2									4.1	4.8
ESE	.0	.7	.4									3.0	3.2
SE	1.1	.0										1.2	2.3
SSE	1.1											1.1	1.5
S	2.7	1.5		.5								5.0	4.3
SSW	.4	2.1	1.6	1.2	.2							5.0	6.3
SW	.3	4.3	3.6	.4								10.0	5.8
WSW	.0	4.5	4.1	.4								10.0	6.2
W	1.0	3.4	3.7	1.6	.2							10.9	7.1
WNW	.7	1.4	.7	.4								3.2	6.3
NW	.0	.4	.2									1.1	4.3
NNW	.0	.2										.4	3.5
VARBL		.0	.4	1.6		.2						2.3	13.2
CALM												11.5	
	21.4	23.0	17.1	6.1	.4	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 560

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 717 STATION NAME COL A J D BAKER AAF DL YEARS 77-78, 80-82 NO. 1007-1100
STATION 717 STATION NAME COL A J D BAKER AAF DL YEARS 77-78, 80-82 NO. 1007-1100
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4										.2	4.6
NNE	.7	.4	.6									1.7	4.6
NE	.4	.3	.2									.7	3.6
ENE	1.7	3.0	.4									4.6	4.2
E	1.0	1.7	1.5	.2								1.2	5.1
ESE	.6	.2										1.1	2.5
SE	.5	.4	.2									1.5	3.0
SSE	1.7	.6	.2									2.4	2.9
S	2.4	1.1	1.7									5.9	4.6
SSW	1.0	1.5	2.0	.7								6.1	6.3
SW	.2	4.6	2.0	.4								9.2	5.3
WSW	.2	4.6	2.4									9.2	5.1
W	1.0	5.5	4.1	4.1	.4							15.5	8.2
WNW	.4	1.7	.2									1.2	5.0
NW	.1	1.1	.4									2.3	4.7
NNW	.4	.4	.2									.9	4.4
VARBL			1.7	1.1								2.5	10.4
CALM												9.3	
	17.2	27.7	17.3	6.5	.4							100.2	4.1

TOTAL NUMBER OF OBSERVATIONS 1007-1100

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10710 STATION NAME COL A J SO BAKER AAF DL YEARS 72-76, 82-82 MONTH ALL
CLASS ALL WEATHER HOURS (LST) 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2										1.2	2.6
NNE	2.5	1.2	.2									3.9	3.0
NE	.6	1.7	.2									1.7	4.0
ENE	1.2	1.6	1.4	.2								4.3	5.6
E	1.6	2.9	3.3									7.8	5.7
ESE	.4	.6										1.0	3.6
SE	1.2	.2										1.4	2.7
SSE	.2	.4	.2									1.4	3.6
S	1.7	1.4	.8	.6	.2							3.9	6.7
SSW	1.5	1.7	1.0	.8								5.2	6.2
SW	.2	1.5	1.0									3.3	5.5
WSW	1.0	2.7	1.7	.2								6.6	5.4
W	2.5	6.6	6.2	6.0	.4	.2						21.9	3.2
WNW	2.1	1.7	1.0	.4								6.2	5.1
NW	2.3	4.1	.2									6.6	4.0
NNW	2.2	1.2		.2								4.2	3.3
VARBL			.5	1.4								2.1	12.6
CALM												17.8	
	24.0	20.8	17.8	9.7	.6	.2						120.0	4.9

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 710 COL A J 50 BAKER AAF DL 73-78, 80-82 NOV
STATION NAME YEARS MONTH
CLASS ALL WEATHER 1500-1700
HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.2									2.4	3.6
NNE	.7	.5	.2									1.4	3.5
NE	1.2	.5	.7									2.4	4.1
ENE	1.7	2.4	1.4									5.5	4.8
E	2.1	4.0	3.8									10.0	5.6
ESE	.5	.2										.5	3.0
SE	.7	.2										1.0	2.8
SSE	.5	.5	.2									1.2	4.4
S	.7	1.7	.2									2.6	5.0
SSW	.7	1.4	3.1	.2	.2							5.7	7.3
SW	1.7	2.4	1.0									5.0	4.8
WSW	1.0	5.7	3.1	1.4								11.2	6.7
W	2.1	2.6	6.4	2.4	1.4							15.0	8.7
WNW	3.3	2.4	1.2	.2								7.1	4.6
NW	1.7	1.2	1.0									3.8	4.4
NNW	2.1	.7	.5									3.3	3.4
VARBL		.1		.7	.2							1.2	12.3
CALM												20.9	
	21.6	27.6	23.0	5.0	1.9							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 421

CENTRAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10710 COL A J CO BAKER AAF DL STATION NAME 73-73,81-82 YEARS 1977-2000
 MONTH ALL CLASS ALL WEATHER HOURS (LST) 1800-2000
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4										1.2	2.3
NNE													
NE	1.1	1.1										2.2	3.7
ENE	1.1	1.5	1.5									4.0	5.4
E	1.1	1.1	1.5									4.4	4.8
ESE	.7	1.1	.4									2.2	4.0
SE													
SSE	.7											.7	2.0
S	1.1	.7										1.8	3.4
SSW	2.2	1.7	1.5	.4	.4							6.2	9.2
SW	2.6	5.5	2.6									10.6	5.2
WSW	2.7	3.3	3.3	1.1								10.6	6.1
W	1.1	7.9	7.3	2.2	.4							17.2	7.8
WNW	.4	2.7	1.1	.4								4.6	5.8
NW	.4											.4	3.0
NNW	.7	.7	.4									1.6	4.2
VARBL			.4	1.8	.4							2.6	13.3
CALM												28.9	
	17.0	25.7	19.8	5.9	1.1							120.0	4.3

TOTAL NUMBER OF OBSERVATIONS 273

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100710 STATION NAME COL A J B BAKER AAF DL YEARS 73-78, 80-82
CLASS ALL WEATHER
CONDITION

NAV
NORTH
ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.4	.2									1.2	3.9
NNE	1.1	.4	.2									1.6	3.4
NE	.1	.4	.2									1.6	3.6
ENE	1.7	2.1	1.0	.1								4.4	4.8
E	1.8	2.4	2.2	.1								6.3	5.3
ESE	.1	.1	.1									1.5	3.3
SE	.1	.1	.0									1.1	3.0
SSE	1.1	.3	.1									1.4	3.0
S	1.7	1.6	.6	.3	.1							4.2	4.9
SSW	.1	1.7	1.1	.7	.1							6.4	6.4
SW	1.9	3.5	2.1	.2								7.6	5.4
WSW	1.7	4.2	2.9	.5								9.3	5.9
W	1.9	4.8	5.3	3.4	.5	.0						16.9	8.1
WNW	1.4	2.1	.8	.3								4.5	5.2
NW	1.1	1.5	.3									2.9	4.3
NNW	1.3	.6	.2	.0								2.1	3.6
VARBL		.1	.1	1.3	.1	.0						2.2	12.3
CALM												25.7	
	21.1	26.1	18.7	6.7	.8	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2312

CENTRAL CLIMATE CLOUDY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 14710 STATION NAME C L A U BAKER AAF OL YEARS 73-78, 80-82 MONTH DEC
ALL-WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0											.2	3.0
NNE	.4	.4										.7	4.0
NE	.0	.4										.2	3.6
ENE	.0	2.7	.7									3.7	5.1
E	1.8	.7	1.3									3.8	4.3
ESE	1.3	.4										1.7	2.4
SE	.0											.9	2.0
SSE	2.4	.4										2.8	2.5
S	3.7	2.4	.4		.2							6.6	3.8
SSW	1.8	3.7	1.8	1.5								8.4	6.8
SW	1.8	5.1	4.2	.0	.2							10.1	6.5
WSW	0.0	3.3	3.9	.9		.2						10.3	6.9
W	1.8	2.1	5.7	1.8	.6							12.7	5.0
WNW	.0	1.5	.4	.6								2.9	6.2
NW	.6	.2										.7	2.0
NNW	.2		.2									.4	4.5
VARBL			1.8	2.6	.6	.2						5.1	12.6
CALM												76.1	
	20.6	22.9	20.4	8.3	1.5	.4						100.2	4.7

TOTAL NUMBER OF OBSERVATIONS 545

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

100710 STATION 001 A J 80 BAKER AAF DL 73-78,80-82 YEARS DEC 1980-1980 MONTH 0000-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3										.2	2.8
NNE	.2											.2	3.0
NE	.2	.7	.3									1.2	5.7
ENE	1.2	1.0	.5									3.9	5.0
E	1.7	1.9	1.5	.5								5.6	5.2
ESE	1.5	.2										1.7	2.3
SE	.5	.3										1.2	2.4
SSE	1.9	.3										2.2	2.5
S	2.0	1.0	.3	.2								4.9	4.0
SSW	1.1	3.1	1.9	.3								5.3	5.1
SW	1.7	3.6	4.6	.3	.3							9.7	6.6
WSW	2.0	3.7	3.9	1.5	.3							11.5	7.1
W	1.2	2.0	6.3	1.5								11.9	7.7
WNW	.5		.2	.3								1.0	7.2
NW	.3	.2		.2								.7	5.5
NNW	.3	.2										.5	2.3
VARBL		.2	.5	2.2	.3							3.5	12.6
CALM												1.1	
	10.0	21.2	20.7	7.1	.8							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 589

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 100710 COL A J D BAKER AAF DL STATION NAME 73-76.80-82 YEARS D.C.
NORTH
CLASS ALL WEATHER 1277-1420
NOV (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.2										.8	2.5
NNE	.2	.2										.4	3.0
NE	.2		.4									1.1	3.6
ENE	.2	3.1	1.0	.4								6.7	6.1
E	1.0	.0	1.9	.4								4.2	6.5
ESE	3.1											1.1	2.5
SE	.0											.2	2.5
SSE	.4	.4										.8	3.0
S	2.9	.0	.2									3.8	2.7
SSW	1.7	1.7	1.1									4.6	5.7
SW	2.7	3.4	2.7									8.8	5.1
WSW	.0	3.4	2.5	.8								6.9	7.3
W	1.0	4.8	7.1	2.5	.4							16.3	7.9
WNW	1.3	1.4	1.3	.6								5.2	6.1
NW	1.0	1.0	.4									2.3	4.1
NNW	1.0	.2										1.1	2.3
VARBL			1.7	2.1								3.4	11.6
CALM												72.4	
	17.8	21.8	20.9	6.7	.4							120.2	4.2

TOTAL NUMBER OF OBSERVATIONS 222

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 10710 COL A J BAKER AAF DL STATION NAME: 73-78,80-R2 YEARS: DIC MONTH: 1990-1990
CLASS: ALL WEATHER HOURS (LST):
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											1.5	1.5
NNE	.5											1.5	2.7
NE	.5	.5										1.3	3.4
ENE	1.0	1.5	2.1	.5								5.8	6.7
E	1.0	2.5	1.3	.5								6.3	6.1
ESE	.5	.5										1.0	2.5
SE	.5	.5										1.0	3.1
SSE	1.0	.5	.3									1.5	2.9
S	1.0	.5										2.1	2.4
SSW	1.0	3.5	1.6	.3	.3							6.3	6.2
SW	.5	2.5	.8	.5								4.5	6.1
WSW	1.0	2.2	1.8	.3								5.4	5.7
W	1.5	5.5	7.9	2.6	.8	.5						15.9	6.2
WNW	1.5	1.5	1.0									4.5	4.6
NW	1.5	1.5	.8	.5								4.2	5.3
NNW	1.0	.3										1.6	2.3
VARBL		.5	2.4	1.3	.3							4.2	11.4
CALM												26.2	
	16.8	28.1	19.9	7.1	1.3	.5						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 351

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 14710 COL A J RO BAKER AAF DL STATION NAME 72-78.81--2 YEARS 72 MONTH 1972-1972 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5										1.0	4.0
NNE													
NE	.5											.5	2.0
ENE	1.0	3.0	1.0	2.0								7.0	7.4
E	.5	3.0	.5									4.0	5.4
ESE	1.0	.5										1.5	2.3
SE	1.0	.5										1.5	2.3
SSE	1.0											1.5	2.3
S	1.0	1.0	1.0									3.0	4.4
SSW	.5	3.0	3.0									6.0	6.2
SW	.5	6.0	2.0									8.5	5.7
WSW	1.0	6.5	2.5	1.5								11.5	6.4
W	1.0	4.0	5.0	4.0								14.0	5.4
WNW	1.0		1.5									2.5	4.0
NW	.5	1.0										1.5	3.0
NNW		1.0										1.0	3.0
VARBL			2.5	2.0	.5							5.0	11.0
CALM												23.4	
	16.0	3.3	16.9	9.5	.5							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 710 COL A J BO BAKER AAF DL STATION NAME 77-78.60-82 YEARS 1977-1982 NORTH 000
CLASS ALL WEATHER
CONDITION ALL
HOURS (LST) 24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.4	2.6
NNE	.7	.1										.4	2.3
NE	.7	.4	.2									1.1	4.3
ENE	1.1	2.3	1.3	.4								5.3	6.0
E	1.4	1.6	1.4	.4								4.8	5.6
ESE	1.2	.2										1.4	2.4
SE	.9	.2										1.0	2.4
SSE	1.5	.4	.2									1.9	2.7
S	2.5	1.4	.2	.6	.2							4.5	3.6
SSW	2.0	3.0	1.7	.5	.2							7.3	5.4
SW	1.5	4.0	3.2	.4	.1							9.1	6.1
WSW	1.3	4.1	3.1	1.0	.1	.2						9.5	6.8
W	1.7	3.3	6.5	2.2	.4	.1						14.5	5.0
WNW	1.0	1.1	.8	.4								3.2	2.7
NW	.6	.7	.2	.1								1.4	4.3
NNW	.6	.3	.2									.5	1.3
VARBL		.1	1.6	2.1	.7	.2						4.2	12.1
CALM												25.5	
	15.5	23.4	20.4	7.5	.9	.2						17.0	4.4

TOTAL NUMBER OF OBSERVATIONS 227

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

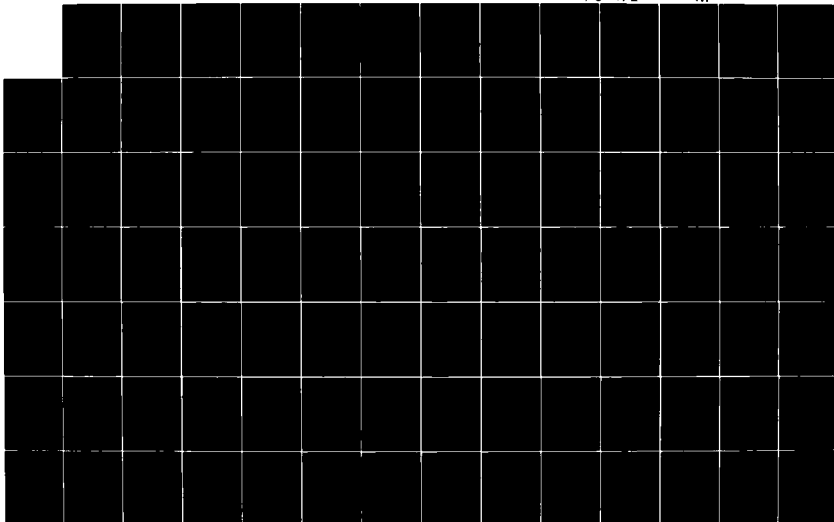
Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

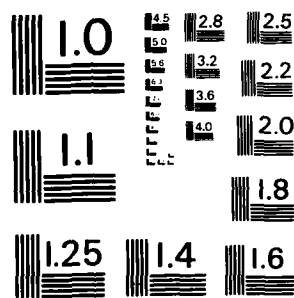
Continued on Reverse Side

AD-A134 209 COL A J BD BAKER AAF GERMANY (WEST) LIMITED SURFACE
OBSERVATIONS CLIMATIC..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A... 03 AUG 83
UNCLASSIFIED USAFETAC/DS-83/034 SBI-AD-EB50 427 F/G 4/2

2/3

NI





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
1800																
1500					91.0											92.6
1200																
1000																
900																
800																
700																
600																
500										97.4						98.1
400																
300																
200																
100																
0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

JOINT CLIMATE BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

124710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-78,80-82
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	15.3	28.5	28.7	29.6	29.7	29.7	30.1	30.3	30.3	30.3	30.4	31.3	31.5	32.3	32.5	33.2
≥ 20000	22.2	34.7	34.9	35.9	36.4	36.6	36.9	37.1	37.1	37.4	37.6	38.5	39.0	39.8	40.0	40.7
≥ 18000	22.2	34.7	34.9	35.9	36.4	36.6	36.9	37.1	37.1	37.4	37.6	38.5	39.0	39.8	40.0	40.7
≥ 16000	22.2	34.7	34.9	35.9	36.4	36.6	36.9	37.1	37.1	37.4	37.6	38.5	39.0	39.8	40.0	40.7
≥ 14000	22.2	34.7	34.9	35.9	36.4	36.6	36.9	37.1	37.1	37.4	37.6	38.5	39.0	39.8	40.0	40.7
≥ 12000	22.2	34.7	34.9	35.9	36.4	36.6	36.9	37.1	37.1	37.4	37.6	38.5	39.0	39.8	40.0	40.7
≥ 10000	22.2	34.7	34.9	35.9	36.4	36.6	36.9	37.1	37.1	37.4	37.6	38.5	39.0	39.8	40.0	40.7
≥ 9000	23.4	36.4	36.6	37.6	38.1	38.3	38.6	38.8	38.8	39.1	39.3	40.2	40.7	41.7	41.9	42.6
≥ 8000	24.3	38.5	38.6	39.7	40.2	40.3	40.7	40.9	40.9	41.2	41.4	42.2	42.7	43.5	43.9	44.6
≥ 7000	25.1	39.3	39.5	40.5	41.0	41.2	41.5	41.7	41.7	42.1	42.2	43.1	43.6	44.6	44.8	45.5
≥ 6000	25.3	39.5	39.7	40.7	41.2	41.4	41.7	41.9	41.9	42.2	42.4	43.2	43.8	44.8	45.0	45.6
≥ 5000	26.1	40.3	40.5	41.5	42.1	42.2	42.6	42.7	42.7	43.1	43.2	44.1	44.6	45.6	45.8	46.5
≥ 4500	26.3	40.9	41.3	42.1	42.6	42.7	43.1	43.2	43.2	43.6	43.8	44.6	45.1	46.2	46.3	47.0
≥ 4000	27.9	44.3	44.4	45.5	46.0	46.2	46.5	46.7	46.7	47.0	47.2	48.0	48.5	49.6	49.7	50.4
≥ 3500	30.4	47.4	47.5	48.5	49.1	49.2	49.6	49.7	49.7	50.1	50.3	51.1	51.6	52.6	52.8	53.5
≥ 3000	32.9	50.6	50.9	52.0	52.5	52.6	53.0	53.2	53.2	53.5	53.7	54.5	55.0	56.1	56.2	56.9
≥ 2500	34.9	53.3	53.7	54.9	55.4	55.6	55.9	56.1	56.1	56.4	56.6	57.4	57.9	59.0	59.1	59.8
≥ 2000	35.4	54.9	55.6	57.4	58.6	58.8	59.8	60.0	60.0	60.3	60.5	61.4	61.9	62.9	63.1	63.8
≥ 1800	36.8	56.8	57.6	60.2	61.5	61.7	62.7	62.9	62.9	63.2	63.4	64.3	64.8	65.8	66.0	66.7
≥ 1600	36.5	60.5	61.5	64.4	66.0	66.5	68.2	68.4	68.4	68.7	68.9	69.7	70.3	71.3	71.5	72.1
≥ 1400	38.8	62.1	63.1	66.7	68.4	69.6	71.6	72.5	72.5	73.0	73.2	74.0	74.7	75.7	75.9	76.6
≥ 1200	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 1000	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 900	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 800	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 700	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 600	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 500	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 400	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 300	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 200	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 100	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 50	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 20	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4
≥ 10	38.8	62.4	63.4	67.7	69.4	71.3	74.0	75.0	75.0	76.6	77.6	78.6	79.5	80.5	80.7	81.4

TOTAL NUMBER OF OBSERVATIONS

585

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

100710 COL A J BO BAKER AAF DL

73-78,80-82

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

HOURLY

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	19.1	29.3	29.3	30.0	30.3	30.3	30.7	31.2	31.3	31.8	31.8	31.8	32.0	32.2	32.3	32.5
≥ 2000	12.1	33.3	33.3	34.0	34.5	34.5	34.8	35.3	35.7	36.2	36.2	36.2	36.3	36.5	36.7	37.2
≥ 1800	22.9	34.2	34.2	34.8	35.3	35.3	35.7	36.2	36.5	37.2	37.2	37.2	37.4	37.5	37.7	38.2
≥ 1600	23.3	34.5	34.5	35.2	35.7	35.7	36.0	36.5	36.9	37.5	37.5	37.5	37.7	37.9	38.0	38.5
≥ 1400	23.3	34.5	34.5	35.2	35.7	35.7	36.0	36.5	36.9	37.5	37.5	37.5	37.7	37.9	38.0	38.5
≥ 1200	23.3	34.5	34.5	35.2	35.7	35.7	36.0	36.5	36.9	37.5	37.5	37.5	37.7	37.9	38.0	38.5
≥ 1000	23.3	34.5	34.5	35.2	35.7	35.7	36.0	36.5	36.9	37.5	37.5	37.5	37.7	37.9	38.0	38.5
≥ 900	24.3	37.2	37.2	37.9	38.4	38.4	38.9	39.5	39.9	40.5	40.5	40.5	40.7	40.9	41.0	41.5
≥ 800	26.3	40.4	40.4	41.0	41.5	41.5	42.0	42.7	43.0	43.7	43.7	43.7	43.9	44.1	44.2	44.7
≥ 700	27.5	41.7	41.7	42.4	42.9	42.9	43.4	44.1	44.4	45.1	45.1	45.1	45.2	45.4	45.5	46.1
≥ 600	28.1	42.4	42.4	43.4	43.9	43.9	44.4	45.1	45.4	46.1	46.1	46.1	46.2	46.4	46.5	47.1
≥ 500	28.8	43.4	43.4	44.4	44.9	44.9	45.4	46.1	46.4	47.1	47.1	47.1	47.2	47.4	47.6	48.1
≥ 4500	29.3	44.2	44.2	45.2	45.7	45.7	46.2	46.9	47.2	47.9	47.9	47.9	48.1	48.2	48.4	48.9
≥ 4000	31.5	47.9	47.9	48.9	49.4	49.4	49.9	50.6	50.9	51.6	51.6	51.6	51.8	51.9	52.1	52.6
≥ 3500	34.3	51.9	51.9	52.9	53.4	53.4	53.9	54.6	54.9	55.6	55.6	55.6	55.8	55.9	56.1	56.6
≥ 3000	37.2	56.3	56.3	57.8	58.5	58.5	59.0	59.8	60.1	60.8	60.8	60.8	61.0	61.1	61.3	61.9
≥ 2500	39.0	59.1	59.3	61.0	61.6	61.6	62.3	63.3	63.7	64.3	64.3	64.3	64.5	64.7	64.8	65.3
≥ 2000	39.9	61.3	61.5	63.8	64.7	65.2	66.0	67.2	67.5	68.2	68.2	68.2	68.3	68.5	68.7	69.2
≥ 1800	40.2	61.8	62.5	65.2	66.2	66.7	67.8	69.2	69.5	70.2	70.2	70.2	70.4	70.5	70.7	71.2
≥ 1600	40.5	63.3	64.3	67.3	68.5	69.0	70.7	72.4	72.7	73.7	73.7	73.7	73.9	74.0	74.2	74.7
≥ 1400	40.9	64.0	65.7	69.0	70.4	71.0	73.0	75.2	76.0	77.2	77.6	77.6	77.7	77.9	78.1	78.5
≥ 1200	40.9	64.5	65.7	69.8	71.4	72.5	75.0	77.7	78.7	81.1	81.9	82.1	82.2	82.9	83.1	83.6
≥ 1000	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 900	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 800	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 700	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 600	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 500	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 400	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 300	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 200	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 100	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7
≥ 0	40.9	64.5	65.7	69.8	71.5	72.7	75.2	77.9	78.9	81.6	82.6	82.7	82.9	83.6	83.8	84.7

TOTAL NUMBER OF OBSERVATIONS

557

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 9710
STATION

COL A J RO BAKER AAF DL
STATION NAME

73-79, EC-52
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. FILLS	17.4	26.7	26.9	28.3	28.9	28.9	28.9	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.3
2 2000	23.2	34.7	34.9	36.4	37.0	37.0	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.6
2 1800	23.0	35.1	35.2	36.8	37.4	37.4	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	38.0
2 1600	23.4	35.0	35.2	36.8	37.4	37.4	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	38.0
2 1400	23.4	35.2	35.4	37.0	37.6	37.6	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.2
2 1200	25.3	36.6	36.8	38.4	39.0	39.0	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.6
2 1000	25.4	36.6	36.8	40.6	41.2	41.2	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.0
2 900	27.2	40.0	40.2	42.0	42.6	42.6	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.4
2 800	28.7	42.8	43.7	45.1	45.7	45.7	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.5
2 700	20.3	44.8	45.1	46.9	47.7	47.7	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.5
2 600	31.1	45.5	45.4	47.7	48.5	48.5	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.3
2 500	32.9	47.5	47.9	49.7	50.5	50.5	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.3
2 400	33.4	49.5	49.9	51.7	52.5	52.5	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3
2 300	35.4	51.9	52.3	54.1	54.9	54.9	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.0
2 200	37.2	54.5	54.9	56.6	57.4	57.4	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.6
2 1000	41.2	61.0	61.8	64.4	65.1	65.1	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.3
2 2500	43.0	63.2	64.7	66.7	67.5	67.5	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.3
2 2000	44.2	65.5	66.9	69.7	70.5	71.1	72.9	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.9
2 1800	45.0	67.1	68.5	72.1	72.9	73.7	75.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.6
2 1600	45.0	67.9	69.3	73.3	74.5	75.4	77.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.6
2 1400	45.1	68.3	69.7	74.7	75.8	76.8	79.6	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	82.2
2 1200	45.1	69.5	70.9	76.0	77.4	78.4	81.6	83.4	83.6	84.2	84.4	84.6	84.8	86.3	86.5	86.5
2 1000	45.1	69.5	70.9	76.0	77.4	78.4	82.0	84.0	84.2	85.3	85.5	85.7	85.9	87.5	87.7	87.7
2 900	45.1	69.5	70.9	76.0	77.4	78.4	83.2	85.1	85.5	87.3	87.5	87.7	87.9	89.5	89.7	89.7
2 800	45.1	69.7	71.1	76.2	77.8	79.0	83.8	86.1	86.7	89.1	89.3	89.5	89.9	91.5	91.7	91.7
2 700	45.1	69.7	71.1	76.4	78.0	79.2	84.2	87.1	87.9	91.9	92.3	92.5	92.9	94.9	95.4	95.4
2 600	45.1	69.7	71.1	76.4	78.0	79.2	84.4	87.3	88.5	93.7	94.5	95.2	96.0	98.6	99.2	99.2
2 500	45.1	69.7	71.1	76.4	78.0	79.2	84.4	87.3	88.5	93.7	94.5	95.2	96.6	99.2	99.9	99.8
2 400	45.1	69.7	71.1	76.4	78.0	79.2	84.4	87.3	88.5	93.9	94.7	95.4	96.8	99.4	100.0	100.0
2 300	45.1	69.7	71.1	76.4	78.0	79.2	84.4	87.3	88.5	93.9	94.7	95.4	96.8	99.4	100.0	100.0
2 200	45.1	69.7	71.1	76.4	78.0	79.2	84.4	87.3	88.5	93.9	94.7	95.4	96.8	99.4	100.0	100.0
2 100	45.1	69.7	71.1	76.4	78.0	79.2	84.4	87.3	88.5	93.9	94.7	95.4	96.8	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 505

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

104710
STATION

CPL A J 30 BAKER AAF DL
STATION NAME

73-78,82
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	17.2	22.7	22.9	24.1	24.4	24.9	25.1	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥20000	22.7	31.8	31.7	32.3	32.5	33.0	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥18000	23.2	31.3	31.5	32.8	33.0	33.5	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥16000	23.2	31.3	31.5	32.8	33.0	33.5	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥14000	23.2	31.3	31.5	32.8	33.0	33.5	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥12000	23.2	31.3	31.5	32.8	33.0	33.5	33.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥10000	24.1	33.5	33.7	35.0	35.2	35.7	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥9000	25.9	35.2	35.5	36.7	36.9	37.4	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥8000	28.6	39.2	39.4	40.6	40.9	41.4	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥7000	30.0	40.9	41.1	42.9	43.1	43.6	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥6000	30.5	41.9	42.1	43.8	44.1	44.6	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥5000	31.3	43.3	44.1	45.8	46.1	46.6	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥4500	32.5	46.1	46.3	48.0	48.3	48.8	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥4000	35.5	49.5	49.8	51.7	52.0	52.5	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥3500	36.2	52.2	52.5	54.4	54.7	55.2	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥3000	40.9	59.1	59.4	62.3	62.6	63.1	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥2500	41.1	60.1	60.3	63.3	63.6	64.0	64.5	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥2000	41.4	62.3	62.6	66.0	67.5	68.0	68.7	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥1800	42.1	64.8	65.1	68.7	70.2	70.7	71.4	71.9	71.9	72.4	72.4	72.4	72.7	72.7	72.7	72.7
≥1600	42.4	65.8	66.3	70.7	72.7	73.2	74.6	75.1	75.1	75.9	75.9	75.9	76.1	76.1	76.1	76.1
≥1400	42.4	67.0	67.5	72.7	74.9	75.9	77.6	78.1	78.1	79.1	79.3	79.3	79.6	80.0	80.0	80.0
≥1200	42.9	68.2	68.7	74.4	76.8	78.1	80.3	81.0	81.0	82.5	83.7	84.7	85.2	86.7	86.7	86.7
≥1000	42.9	68.2	68.7	74.4	76.8	78.1	80.3	81.0	81.0	82.5	83.7	84.7	85.2	86.7	86.7	86.7
≥900	42.9	68.2	68.7	74.4	76.8	78.1	80.3	81.0	81.0	82.5	83.7	84.7	85.2	86.7	86.7	86.7
≥800	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1
≥700	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1
≥600	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1
≥500	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1
≥400	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1
≥300	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1
≥200	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1
≥100	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1
≥0	43.1	68.5	69.0	74.6	77.8	79.3	82.0	83.5	83.5	86.0	87.2	88.2	89.7	90.1	90.1	90.1

TOTAL NUMBER OF OBSERVATIONS 436

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 9710

COL A J BO BAKER AAF DL

73-79,82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO. CEILING	14.1	21.5	21.5	22.7	23.4	23.4	24.6	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	26.2
≥ 20000	19.1	29.7	29.7	30.9	31.6	31.6	32.8	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	34.4
≥ 18000	19.1	30.5	30.5	31.6	32.4	32.4	33.6	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	35.2
≥ 16000	19.1	30.5	30.5	31.6	32.4	32.4	33.6	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	35.2
≥ 14000	19.1	30.5	30.5	31.6	32.4	32.4	33.6	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	35.2
≥ 12000	19.1	30.5	30.5	32.0	32.8	32.8	34.0	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	35.5
≥ 10000	19.1	31.3	31.3	32.4	33.2	33.2	34.4	34.8	34.8	34.8	34.8	34.8	34.8	35.2	35.2	35.9
≥ 8000	21.1	33.6	33.6	34.8	35.5	35.5	36.7	37.1	37.1	37.1	37.1	37.1	37.1	37.5	37.5	38.3
≥ 6000	22.7	35.5	35.5	37.1	38.3	38.3	39.5	39.8	39.8	39.8	39.8	39.8	39.8	40.2	40.2	41.0
≥ 4000	23.4	36.7	37.1	38.3	39.5	39.5	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.4	41.4	42.2
≥ 3000	24.2	37.5	37.9	39.1	40.2	40.2	41.4	41.8	41.8	41.8	41.8	41.8	41.8	42.2	42.2	43.0
≥ 2000	25.0	39.1	39.5	40.6	41.8	41.8	43.0	43.4	43.4	43.4	43.4	43.4	43.4	43.8	43.8	44.5
≥ 1800	27.3	41.0	41.4	42.6	43.8	43.8	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.7	45.7	46.5
≥ 1600	29.3	44.9	45.3	46.5	47.7	47.7	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.6	49.6	50.4
≥ 1400	30.1	47.7	48.1	49.2	50.4	50.4	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.3	52.3	53.1
≥ 1200	32.8	51.2	51.6	53.5	54.7	54.7	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.4	57.4	58.2
≥ 1000	33.2	52.0	52.3	54.3	55.5	55.5	57.4	57.8	57.8	58.2	58.2	58.2	58.2	58.6	58.6	59.4
≥ 800	33.6	54.7	55.5	57.4	58.6	58.6	60.5	60.9	60.9	61.3	61.3	61.3	61.3	61.7	61.7	62.5
≥ 600	34.4	56.3	57.4	59.8	60.9	60.9	62.9	63.3	63.3	63.7	63.7	63.7	63.7	64.1	64.1	64.8
≥ 400	35.2	59.8	61.7	66.0	67.6	67.6	69.9	70.3	70.3	70.7	70.7	70.7	70.7	71.9	71.9	72.7
≥ 300	35.9	60.9	62.9	68.0	69.5	69.5	71.9	72.3	72.3	73.8	73.8	73.8	73.8	75.0	75.0	75.8
≥ 200	35.9	61.7	63.7	70.3	73.0	73.0	76.6	77.0	77.0	78.5	78.5	78.5	78.5	80.5	80.5	84.4
≥ 100	36.3	62.1	64.1	70.7	73.4	73.4	77.0	77.7	77.7	79.3	80.5	81.3	81.3	83.6	84.4	85.2
≥ 80	36.7	62.5	64.5	71.1	75.0	75.4	78.9	79.7	79.7	81.3	82.4	83.2	83.2	85.5	86.3	87.1
≥ 60	36.7	62.5	64.5	71.1	75.0	75.4	78.9	79.7	79.7	81.3	82.4	83.2	83.2	85.5	86.3	87.1
≥ 40	36.7	62.5	64.5	71.1	75.0	75.4	78.9	79.7	79.7	81.3	82.4	83.2	83.2	85.5	86.3	87.1
≥ 30	36.7	62.5	64.5	71.1	75.4	75.8	79.3	80.1	80.1	81.6	83.6	86.7	87.5	92.2	94.5	95.7
≥ 20	36.7	62.5	64.5	71.1	75.4	75.8	79.3	80.1	80.1	81.6	83.6	86.7	87.5	92.2	94.5	95.7
≥ 10	36.7	62.5	64.5	71.1	75.4	75.8	79.3	80.1	80.1	81.6	83.6	86.7	87.5	92.2	94.5	95.7
≥ 5	36.7	62.5	64.5	71.1	75.4	75.8	79.3	80.1	80.1	81.6	83.6	86.7	87.5	92.2	94.5	95.7
≥ 2	36.7	62.5	64.5	71.1	75.4	75.8	79.3	80.1	80.1	81.6	83.6	86.7	87.5	92.2	94.5	95.7

TOTAL NUMBER OF OBSERVATIONS 256

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4715 COL A J BO BAKER AAF DL

73-78,80-82

JAN

STATION

STATION NAME

YEAR

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY: STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO. CEILING	17.7	20.6	26.7	27.7	28.1	28.2	28.5	28.8	28.9	29.0	29.0	29.2	29.4	29.6	29.8	30.1	
≥ 20000	22.1	33.1	33.2	34.4	34.9	35.0	35.4	35.7	35.8	36.0	36.0	36.2	36.4	36.7	35.8	37.2	
≥ 18000	22.4	33.6	33.7	34.6	35.3	35.5	35.8	36.1	36.2	36.5	36.5	36.7	37.0	37.2	37.3	37.7	
≥ 16000	22.6	33.7	33.8	34.9	35.4	35.5	35.9	36.2	36.3	36.6	36.6	36.8	37.0	37.3	37.4	37.8	
≥ 14000	22.6	33.7	33.8	35.0	35.5	35.6	36.0	36.3	36.4	36.6	36.7	36.9	37.1	37.3	37.5	37.8	
≥ 12000	23.7	34.1	34.3	35.4	35.9	36.0	36.4	36.7	36.8	37.0	37.1	37.3	37.5	37.8	37.9	38.3	
≥ 10000	23.0	35.6	35.8	36.9	37.4	37.5	38.0	38.4	38.4	38.7	38.7	39.0	39.2	39.4	39.5	39.9	
≥ 9000	24.6	36.9	37.0	38.1	38.7	38.8	39.3	39.6	39.7	39.9	40.0	40.2	40.4	40.7	40.8	41.2	
≥ 8000	26.3	39.7	39.9	41.0	41.6	41.6	42.2	42.6	42.7	42.9	43.0	43.2	43.4	43.7	43.8	44.2	
≥ 7000	27.5	41.1	41.3	42.5	43.1	43.3	43.7	44.1	44.1	44.4	44.4	44.7	44.9	45.2	45.3	45.7	
≥ 6000	28.1	41.7	41.9	43.3	43.8	44.0	44.4	44.8	44.9	45.1	45.2	45.4	45.6	45.9	46.0	46.4	
≥ 5000	29.1	43.1	43.3	44.7	45.3	45.4	45.8	46.2	46.7	46.5	46.6	46.8	47.0	47.3	47.4	47.8	
≥ 4500	29.9	44.5	44.7	46.0	46.6	46.7	47.2	47.6	47.6	47.9	47.9	48.1	48.4	48.7	48.8	49.2	
≥ 4000	31.9	47.8	48.0	49.4	50.0	50.1	50.7	51.0	51.1	51.3	51.4	51.6	51.8	52.1	52.2	52.6	
≥ 3500	33.3	50.9	51.1	52.5	53.1	53.2	53.8	54.1	54.2	54.4	54.5	54.7	54.9	55.2	55.3	55.7	
≥ 3000	37.1	55.8	56.2	58.1	58.7	58.8	59.5	59.9	60.0	60.2	60.3	60.5	60.7	61.0	61.1	61.5	
≥ 2500	38.6	57.9	58.4	60.4	61.1	61.2	62.1	62.6	62.7	63.0	63.0	63.2	63.4	63.7	63.9	64.2	
≥ 2000	39.3	60.0	60.7	63.2	64.2	64.6	65.8	66.4	66.5	66.9	67.0	67.2	67.4	67.7	67.9	68.2	
≥ 1800	40.7	61.6	62.5	65.4	66.6	67.0	68.3	69.0	69.1	69.5	69.6	69.8	70.0	70.3	70.5	70.8	
≥ 1500	40.7	63.6	64.8	68.3	69.8	70.3	72.2	73.1	73.1	73.7	73.7	73.9	74.3	74.6	74.9	75.1	
≥ 1200	41.1	64.6	65.8	70.2	71.7	72.6	74.8	75.9	76.2	77.0	77.1	77.4	77.8	78.3	78.4	78.8	
≥ 1000	41.1	65.4	66.5	71.5	73.3	74.5	77.3	78.8	79.1	80.6	81.4	82.0	82.8	83.6	83.9	84.3	
≥ 900	41.1	65.4	66.5	71.5	73.4	74.6	77.5	79.1	79.4	81.3	82.2	82.9	83.7	84.6	84.8	85.1	
≥ 800	41.2	65.5	66.7	71.6	73.9	75.2	78.5	80.2	80.6	82.8	83.7	84.4	85.4	86.3	86.5	86.8	
≥ 700	41.2	65.6	66.7	71.7	74.1	75.4	79.0	81.2	81.6	84.1	85.2	86.0	87.3	88.2	88.4	88.8	
≥ 600	41.2	65.6	66.7	71.8	74.1	75.4	79.3	81.7	82.4	85.7	87.0	88.1	89.5	90.8	91.2	91.7	
≥ 500	41.2	65.6	66.7	71.8	74.2	75.5	79.5	82.5	83.2	87.2	89.0	90.3	91.8	93.2	93.7	94.2	
≥ 400	41.2	65.6	66.7	71.8	74.2	75.5	79.7	82.7	83.7	88.2	90.2	91.7	94.0	96.1	96.7	97.2	
≥ 300	41.2	65.6	66.7	71.8	74.2	75.5	79.7	82.8	83.8	88.4	90.4	92.0	94.6	97.1	98.0	98.5	
≥ 200	41.2	65.6	66.7	71.8	74.2	75.5	79.7	82.8	83.8	88.5	90.6	92.2	94.8	97.7	98.9	99.5	
≥ 100	41.2	65.6	66.7	71.8	74.2	75.5	79.7	82.8	83.8	88.5	90.6	92.2	94.8	97.7	99.1	99.8	
≥ 0	41.2	65.6	66.7	71.8	74.2	75.5	79.7	82.8	83.8	88.5	90.6	92.2	94.8	97.7	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 2349

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710
STATION

COL A J 30 BAKER AAF DL
STATION NAME

73-78,80-82
YEAR

FEET
DOCS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0622-2520
DATE

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	23.1	28.8	29.6	31.4	31.7	31.9	32.9	32.9	33.1	34.0	34.7	34.5	34.7	35.2	35.9	36.2
≥ 20000	25.4	31.9	32.8	34.7	35.2	35.4	36.6	36.6	36.7	37.6	37.6	38.3	39.6	39.2	39.9	40.2
≥ 18000	25.4	31.9	32.8	34.7	35.2	35.5	36.9	36.9	37.1	38.0	38.0	38.6	39.0	39.5	40.2	40.6
≥ 16000	25.4	31.9	32.8	34.7	35.2	35.5	36.9	36.9	37.1	38.0	38.0	38.6	39.0	39.5	40.2	40.6
≥ 14000	25.4	31.9	32.8	34.7	35.2	35.5	36.9	36.9	37.1	38.0	38.0	38.6	39.0	39.5	40.2	40.6
≥ 12000	25.4	31.9	32.8	34.7	35.2	35.5	36.9	36.9	37.1	38.0	38.0	38.6	39.0	39.5	40.2	40.6
≥ 10000	25.4	32.1	32.9	34.6	35.4	35.9	37.3	37.3	37.4	38.3	38.3	39.0	39.3	39.9	40.6	40.9
≥ 9000	25.4	32.2	33.1	35.0	35.5	36.0	37.4	37.4	37.6	38.5	38.5	39.2	39.5	40.0	40.7	41.1
≥ 8000	27.6	35.0	35.9	37.8	38.3	38.8	40.2	40.2	40.4	41.2	41.2	41.9	42.3	42.8	43.5	43.8
≥ 7000	28.4	36.6	37.6	39.5	40.0	40.6	41.9	41.9	42.1	43.0	43.0	43.7	44.0	44.5	45.2	45.6
≥ 6000	28.4	36.7	37.8	39.7	40.2	40.7	42.1	42.1	42.3	43.2	43.2	43.8	44.2	44.7	45.4	45.8
≥ 5000	29.1	37.8	38.9	41.1	41.6	42.1	43.5	43.5	43.7	44.5	44.5	45.2	45.6	46.1	46.8	47.1
≥ 4500	30.2	39.2	40.2	42.5	43.0	43.5	45.1	45.1	45.2	46.1	46.1	46.8	47.1	47.7	48.4	48.7
≥ 4000	31.5	41.7	41.8	44.0	44.5	45.1	46.8	46.8	47.0	47.8	47.8	48.5	48.9	49.4	50.1	50.4
≥ 3500	34.5	44.0	45.2	48.2	48.7	49.2	51.0	51.0	51.1	52.0	52.0	52.7	53.0	53.6	54.2	54.6
≥ 3000	36.0	47.0	48.4	52.2	53.2	53.7	55.6	56.0	56.2	57.0	57.0	57.7	58.1	58.6	59.3	59.6
≥ 2500	37.3	49.9	51.3	55.6	57.0	57.5	59.4	59.8	60.1	61.0	61.0	61.9	62.4	62.9	63.5	64.0
≥ 2000	38.6	51.6	53.7	58.6	60.3	60.8	63.3	63.6	64.1	65.2	65.2	66.0	66.6	67.1	67.8	68.1
≥ 1800	39.3	52.5	54.6	59.8	62.0	62.6	65.0	65.3	66.0	67.2	67.2	68.1	68.6	69.2	69.8	70.2
≥ 1600	40.2	53.7	56.2	61.7	64.3	64.5	67.2	67.9	68.6	69.8	69.8	70.7	71.2	71.8	72.4	72.8
≥ 1400	40.2	53.9	56.3	62.4	65.2	65.7	68.5	69.5	70.4	71.8	71.8	72.6	73.5	74.0	74.7	75.0
≥ 1200	40.4	54.2	56.7	63.6	66.7	67.4	70.7	72.4	73.3	75.2	75.7	76.6	77.3	78.5	79.2	79.5
≥ 1000	40.4	54.4	56.9	63.8	67.1	67.8	71.2	73.0	74.2	76.1	76.6	77.5	78.7	79.4	80.1	80.4
≥ 900	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 800	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 700	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 600	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 500	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 400	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 300	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 200	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 100	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 50	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0
≥ 0	40.4	54.4	56.9	63.8	67.1	67.8	71.4	74.0	75.7	78.5	79.2	80.1	81.3	82.0	82.7	83.0

TOTAL NUMBER OF OBSERVATIONS 577

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5710
STATION

COL A J 80 BAKER AAF DL
STATION NAME

73-78,60-82
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.6	30.7	31.1	33.7	34.0	34.4	34.7	35.2	35.2	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 20000	24.5	33.9	34.2	36.8	37.2	37.5	37.8	38.4	38.4	38.9	38.9	39.1	39.2	39.4	39.6	39.8
≥ 18000	24.8	34.2	34.5	37.2	37.7	38.0	38.4	38.9	38.9	39.4	39.4	39.6	39.8	39.9	40.1	40.3
≥ 16000	24.8	34.5	34.9	37.5	38.0	38.4	38.7	39.2	39.2	39.8	39.8	39.9	40.1	40.3	40.5	40.6
≥ 14000	25.0	34.7	35.1	37.7	38.2	38.5	38.9	39.4	39.4	39.9	39.9	40.1	40.3	40.5	40.6	40.8
≥ 12000	25.2	34.9	35.2	37.8	38.4	38.7	39.1	39.6	39.6	40.1	40.1	40.3	40.5	40.6	40.8	41.0
≥ 10000	26.0	35.9	36.3	38.9	39.4	39.6	40.1	40.6	40.6	41.1	41.1	41.3	41.5	41.7	41.8	42.0
≥ 9000	26.4	36.8	37.2	39.8	40.3	40.6	41.0	41.5	41.5	42.0	42.0	42.2	42.4	42.5	42.7	42.9
≥ 8000	29.7	40.8	41.1	43.8	44.3	44.6	45.0	45.5	45.5	46.0	46.0	46.2	46.4	46.5	46.7	46.9
≥ 7000	30.6	42.5	42.9	45.5	46.5	46.9	47.2	47.7	47.7	48.4	48.4	48.6	48.8	49.0	49.1	49.3
≥ 6000	30.6	43.1	43.4	46.0	47.0	47.4	47.7	48.3	48.3	49.0	49.0	49.1	49.3	49.5	49.7	49.8
≥ 5000	31.1	43.9	44.3	46.9	47.9	48.3	48.6	49.1	49.1	49.8	49.8	50.0	50.2	50.3	50.5	50.7
≥ 4500	32.1	45.5	45.8	48.4	49.5	49.8	50.2	50.7	50.7	51.4	51.4	51.6	51.7	51.9	52.1	52.3
≥ 4000	33.5	47.4	47.7	50.3	51.4	51.7	52.1	52.6	52.6	53.3	53.3	53.5	53.6	53.8	54.0	54.2
≥ 3500	37.3	52.3	52.6	55.6	56.6	56.9	57.3	57.8	57.8	58.5	58.5	58.7	58.9	59.0	59.2	59.4
≥ 3000	39.4	54.7	55.2	59.4	60.4	60.8	61.3	61.8	62.0	62.8	63.0	63.2	63.4	63.5	63.7	63.9
≥ 2500	40.5	57.1	57.6	61.8	63.0	63.4	63.9	64.6	64.9	66.1	66.3	66.5	66.7	66.8	67.0	67.2
≥ 2000	42.7	60.2	61.1	66.8	68.6	69.1	69.6	70.7	71.2	72.4	72.6	72.7	72.9	73.1	73.3	73.4
≥ 1800	43.2	60.8	61.6	67.4	69.1	69.8	70.3	71.4	71.9	73.1	73.3	73.4	73.6	73.8	74.0	74.1
≥ 1500	43.6	61.3	62.2	67.9	70.0	70.7	71.4	73.1	73.6	75.5	75.9	76.2	76.6	76.7	76.9	77.1
≥ 1200	43.6	61.3	62.3	68.4	71.7	71.5	72.4	75.0	75.9	78.0	78.5	78.8	79.2	79.3	79.5	79.7
≥ 1000	43.6	61.3	62.3	69.6	72.7	74.0	75.5	78.8	79.9	82.6	83.3	84.0	84.7	84.9	85.1	85.2
≥ 900	43.6	61.3	62.3	69.8	73.3	74.5	76.2	79.7	80.7	83.9	84.5	85.2	85.9	86.1	86.3	86.5
≥ 800	43.6	61.3	62.3	69.8	73.6	74.8	76.7	80.2	81.6	84.9	85.6	86.3	87.0	87.2	87.3	87.5
≥ 700	43.6	61.3	62.3	69.8	73.6	75.0	77.1	80.6	81.9	86.5	87.2	87.8	88.7	89.2	89.4	89.6
≥ 600	43.8	61.5	62.5	70.3	74.1	75.5	78.1	81.9	83.3	88.2	89.2	90.1	91.1	91.7	91.8	92.0
≥ 500	43.8	61.5	62.5	70.3	74.3	75.7	78.6	83.0	84.4	90.5	91.7	92.5	93.8	94.4	94.6	94.8
≥ 400	43.8	61.5	62.5	70.3	74.3	75.7	78.6	83.2	84.7	90.8	92.0	92.9	94.3	95.0	95.5	95.7
≥ 300	43.8	61.5	62.5	70.3	74.3	75.7	78.6	83.2	84.7	91.7	93.2	94.3	95.7	96.7	97.7	98.1
≥ 200	43.8	61.5	62.5	70.3	74.3	75.7	78.6	83.2	84.7	91.7	93.4	94.6	96.0	97.2	98.8	99.1
≥ 100	43.8	61.5	62.5	70.3	74.3	75.7	78.6	83.2	84.7	91.7	93.4	94.6	96.0	97.2	98.8	99.8
≥ 0	43.8	61.5	62.5	70.3	74.3	75.7	78.6	83.2	84.7	91.7	93.6	94.8	96.2	97.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-79,80-82
YEAR

FEET
MOON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	20.1	30.9	32.6	34.3	35.6	36.0	36.9	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000	23.3	35.8	37.7	39.8	41.1	41.7	42.6	43.2	43.2	43.9	43.9	44.1	44.1	44.1	44.1	44.1
≥ 18000	23.3	36.0	37.9	40.0	41.5	42.2	43.4	43.9	43.9	44.7	44.7	44.9	44.9	44.9	44.9	44.9
≥ 16000	23.7	36.2	38.1	40.2	41.7	42.4	43.6	44.1	44.1	44.9	44.9	45.1	45.1	45.1	45.1	45.1
≥ 14000	23.9	36.6	38.4	40.5	42.0	42.8	43.9	44.5	44.5	45.3	45.3	45.5	45.5	45.5	45.5	45.5
≥ 12000	25.7	37.7	39.6	41.7	43.2	43.9	45.1	45.6	45.6	46.4	46.4	46.6	46.6	46.6	46.6	46.6
≥ 10000	26.3	39.4	41.3	43.6	45.1	45.6	47.0	47.5	47.5	48.3	48.3	48.5	48.5	48.5	48.5	48.5
≥ 9000	26.7	40.3	42.2	44.7	46.2	47.0	48.1	48.7	48.7	49.4	49.4	49.6	49.6	49.6	49.6	49.6
≥ 8000	29.2	44.3	46.2	48.7	50.2	50.9	52.1	52.7	52.7	53.4	53.4	53.6	53.6	53.6	53.6	53.6
≥ 7000	30.1	45.6	47.7	50.4	51.9	52.7	53.8	54.4	54.4	55.1	55.1	55.3	55.3	55.3	55.3	55.3
≥ 6000	30.3	46.4	48.3	50.9	52.5	53.2	54.4	54.9	54.9	55.7	55.7	55.9	55.9	55.9	55.9	55.9
≥ 5000	30.5	47.0	48.9	51.5	53.0	53.6	54.9	55.5	55.5	56.3	56.3	56.4	56.4	56.4	56.4	56.4
≥ 4500	31.1	47.5	49.4	52.1	53.6	54.4	55.5	56.3	56.3	57.0	57.0	57.2	57.2	57.2	57.2	57.2
≥ 4000	31.7	48.7	50.6	53.4	54.9	55.7	56.8	57.6	57.6	58.3	58.3	58.5	58.5	58.5	58.5	58.5
≥ 3500	35.1	52.3	54.2	57.2	58.7	59.5	60.6	61.4	61.4	62.1	62.1	62.3	62.3	62.3	62.3	62.3
≥ 3000	36.9	54.9	57.1	61.0	62.5	63.3	64.4	65.2	65.2	66.1	66.1	66.3	66.3	66.5	66.5	66.5
≥ 2500	39.0	58.9	61.1	65.0	66.5	67.2	68.6	69.3	69.3	70.3	70.3	70.6	70.6	70.6	70.6	70.6
≥ 2000	40.3	62.7	65.2	71.6	73.9	75.0	76.3	77.3	77.3	78.4	78.4	79.2	79.2	79.4	79.4	79.4
≥ 1800	40.5	62.9	65.3	72.0	74.2	75.4	76.7	77.7	77.7	78.8	78.8	79.4	79.5	79.7	79.7	79.7
≥ 1600	40.9	63.8	66.3	73.7	76.3	77.8	79.5	80.7	80.7	81.8	81.8	82.4	82.6	83.0	83.0	83.0
≥ 1400	40.7	63.8	66.3	74.4	79.6	80.3	82.2	83.9	84.7	86.4	87.1	87.5	87.9	87.9	87.9	87.9
≥ 1200	41.1	64.6	67.7	76.3	81.6	83.5	85.6	87.9	89.2	91.9	92.8	93.2	93.6	93.6	93.6	93.6
≥ 1000	41.1	64.6	67.7	76.3	81.6	83.5	85.6	87.9	89.2	92.0	93.2	93.9	94.3	94.3	94.3	94.3
≥ 900	41.3	64.8	67.2	76.5	81.8	83.7	85.8	88.3	89.8	92.6	93.8	94.5	94.9	94.9	94.9	94.9
≥ 800	41.3	64.8	67.2	76.5	81.8	83.7	85.8	88.6	90.2	93.0	94.1	94.9	95.3	95.3	95.3	95.3
≥ 700	41.3	65.0	67.4	77.3	82.8	84.7	86.9	89.4	91.1	94.3	95.5	96.2	96.6	96.6	96.6	96.6
≥ 600	41.3	65.0	67.4	77.3	82.8	84.7	86.9	89.4	91.1	94.9	96.6	97.3	97.7	97.7	97.7	97.7
≥ 500	41.3	65.0	67.4	77.3	82.8	84.7	86.9	89.4	91.5	95.5	97.2	97.9	98.3	98.9	98.9	98.9
≥ 400	41.3	65.0	67.4	77.3	82.8	84.7	86.9	89.4	91.5	96.0	97.9	98.9	99.2	99.8	99.8	99.8
≥ 300	41.3	65.0	67.4	77.3	82.8	84.7	86.9	89.4	91.5	96.0	97.9	98.9	99.2	100.0	100.0	100.0
≥ 200	41.3	65.0	67.4	77.3	82.8	84.7	86.9	89.4	91.5	96.0	97.9	98.9	99.2	100.0	100.0	100.0
≥ 100	41.3	65.0	67.4	77.3	82.8	84.7	86.9	89.4	91.5	96.0	97.9	98.9	99.2	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 528

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5710 CCL A J LO BAKER AAF DL

73-78, BD-62

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-1970

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .00
NO FLOOR	23.1	34.9	35.1	36.1	37.3	37.6	38.1	38.1	38.6	38.8	38.8	39.8	39.9	38.9	34.9	38.8
≥ 20000	28.7	42.8	43.7	44.0	45.2	45.5	45.9	46.2	46.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	28.7	43.2	43.5	44.5	45.7	45.9	46.4	46.7	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 16000	28.7	43.2	43.5	44.5	45.7	45.9	46.4	46.7	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	29.7	43.5	43.7	44.7	45.9	46.2	46.7	46.9	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 12000	29.9	44.1	44.2	45.2	46.4	46.7	47.2	47.4	47.9	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000	31.2	47.9	48.2	49.1	50.4	50.6	51.1	51.4	51.8	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 9000	31.2	48.2	48.4	50.1	51.4	51.6	52.1	52.3	52.8	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	32.4	50.7	50.4	52.1	53.3	53.6	54.1	54.3	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	33.4	51.6	51.9	53.6	55.3	56.3	56.8	57.0	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 6000	33.4	51.6	51.9	53.6	55.3	56.3	56.8	57.0	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 5000	33.4	51.6	52.1	53.8	55.5	56.5	57.0	57.2	57.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 4500	33.7	52.1	52.3	54.1	55.3	56.6	57.2	57.5	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	34.2	52.8	53.1	54.8	56.5	57.5	58.0	58.2	58.7	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 3500	36.1	55.5	56.0	58.5	60.4	61.4	61.9	62.2	62.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 3000	36.4	56.3	56.9	59.5	61.4	62.9	63.9	64.1	64.6	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 2500	37.6	59.2	59.7	62.7	64.6	66.1	67.1	67.6	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 2000	38.3	61.2	61.9	67.1	69.0	70.5	72.0	72.5	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1800	38.6	61.7	62.4	68.1	70.0	71.7	73.2	73.7	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 1600	38.6	62.9	63.5	71.3	74.0	76.4	77.9	78.4	79.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1400	39.1	64.1	64.9	73.7	76.4	79.1	80.6	81.8	82.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1200	39.3	64.6	65.4	75.2	78.1	81.8	83.5	85.3	86.5	87.7	88.0	88.5	89.4	89.4	89.4	89.4
≥ 1000	39.3	64.6	65.4	75.4	78.4	82.1	84.3	86.5	87.7	89.2	89.4	89.9	91.2	91.2	91.2	91.2
≥ 900	39.3	64.6	65.4	75.4	78.4	82.1	84.3	87.0	88.2	89.7	89.9	90.4	91.6	91.6	91.6	91.6
≥ 800	39.3	64.6	65.4	75.7	78.6	82.3	84.5	87.7	88.9	90.7	90.9	91.4	92.6	93.1	93.4	93.4
≥ 700	39.3	64.6	65.4	75.7	78.6	82.3	85.0	88.9	90.7	93.1	94.1	94.6	95.8	96.6	97.1	97.1
≥ 600	39.3	64.6	65.4	75.7	78.6	82.3	85.0	88.9	90.7	93.4	94.6	95.3	96.6	97.5	98.0	98.0
≥ 500	39.3	64.6	65.4	75.7	78.6	82.3	85.0	88.9	90.7	94.3	95.6	96.8	98.0	99.3	99.8	99.8
≥ 400	39.3	64.6	65.4	75.7	78.6	82.3	85.0	88.9	90.7	94.3	95.6	96.8	98.0	99.5	100.0	100.0
≥ 300	39.3	64.6	65.4	75.7	78.6	82.3	85.0	88.9	90.7	94.3	95.6	96.8	98.0	99.5	100.0	100.0
≥ 200	39.3	64.6	65.4	75.7	78.6	82.3	85.0	88.9	90.7	94.3	95.6	96.8	98.0	99.5	100.0	100.0
≥ 100	39.3	64.6	65.4	75.7	78.6	82.3	85.0	88.9	90.7	94.3	95.6	96.8	98.0	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 407

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5710

COL A J SC BAKER AAF DL

73-7A, PD-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1952-2-20

CEILING FEET		VISIBILITY STATISTICS															
		≥10	26	31	34	37	40	43	46	49	52	55	58	61	64	67	≥70
NO. OF OBS.	21000	21.3	35.2	36.3	37.1	39.1	39.6	40.2	40.2	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6
1	2000	24.9	40.2	41.4	42.2	44.5	45.3	46.5	46.5	46.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3
2	1800	24.9	40.6	41.8	42.6	44.9	45.7	46.9	46.9	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
3	1600	24.9	40.6	41.8	42.6	44.9	45.7	46.9	46.9	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
4	1400	24.9	40.6	41.8	42.6	44.9	45.7	46.9	46.9	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0
5	1200	24.9	41.7	42.7	43.0	45.3	46.1	47.3	47.3	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4
6	1000	25.1	43.0	44.5	45.3	47.7	48.4	49.6	49.6	50.0	50.8	50.8	50.8	50.8	50.8	50.8	50.8
7	800	25.4	43.4	44.9	45.1	47.8	49.6	50.8	50.8	51.2	52.0	52.0	52.0	52.0	52.0	52.0	52.0
8	600	27.0	46.9	48.4	49.6	52.3	53.1	54.3	54.3	54.7	55.5	55.5	55.5	55.5	55.5	55.5	55.5
9	400	27.7	46.4	50.0	51.2	53.9	55.5	56.6	56.6	57.0	57.8	57.8	57.8	57.8	57.8	57.8	57.8
10	200	28.5	49.2	51.8	52.0	54.7	56.3	57.4	57.4	57.8	58.6	58.6	58.6	58.6	58.6	58.6	58.6
11	100	28.5	49.2	51.8	52.0	54.7	56.3	57.4	57.4	57.8	58.6	58.6	58.6	58.6	58.6	58.6	58.6
12	50	28.5	49.2	51.8	52.0	54.7	56.3	57.4	57.4	57.8	58.6	58.6	58.6	58.6	58.6	58.6	58.6
13	25	30.5	51.5	53.1	54.3	57.4	59.0	60.2	60.2	60.5	61.3	61.3	61.3	61.3	61.3	61.3	61.3
14	12	31.5	54.7	56.6	57.8	60.9	62.5	63.7	64.5	64.8	65.6	65.6	65.6	65.6	65.6	65.6	65.6
15	6	32.4	57.0	59.0	60.2	63.3	64.8	66.0	66.8	67.2	68.0	68.0	68.0	68.0	68.0	68.0	68.0
16	3	33.2	59.9	62.1	63.3	66.6	68.4	69.5	70.3	70.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9
17	1	34.1	60.5	62.9	64.5	68.0	69.5	70.7	71.5	71.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
18	0.5	34.1	61.3	63.7	67.2	70.7	73.0	74.6	75.8	76.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7
19	0.2	34.1	61.3	63.7	67.6	71.1	73.4	75.0	77.0	77.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9
20	0.1	34.1	61.3	63.7	67.6	71.9	74.2	75.8	77.7	78.1	82.0	82.8	82.8	82.8	82.8	82.8	82.8
21	0.05	34.0	61.3	63.7	67.6	71.9	74.2	76.2	78.9	79.3	83.2	84.0	84.0	84.0	84.0	84.0	84.0
22	0.02	34.0	61.3	63.7	67.6	71.9	74.2	76.2	78.9	79.3	83.6	84.4	84.4	84.4	84.4	84.4	84.4
23	0.01	34.1	61.3	63.7	67.6	71.9	74.2	76.2	79.3	79.7	84.8	86.3	86.3	86.3	86.3	86.3	86.3
24	0.005	34.1	61.3	63.7	68.8	73.0	76.2	79.3	82.8	83.6	89.1	91.0	91.5	92.0	94.9	95.3	95.3
25	0.002	34.0	61.3	63.7	68.8	73.0	76.2	79.3	82.8	83.6	89.1	91.0	91.5	92.0	94.9	95.3	95.3
26	0.001	34.0	61.3	63.7	68.8	73.0	76.2	79.3	82.8	83.6	89.1	91.0	91.5	92.0	94.9	95.3	95.3
27	0.0005	34.0	61.3	63.7	68.8	73.0	76.2	79.3	82.8	83.6	89.1	91.0	91.5	92.0	94.9	95.3	95.3
28	0.0002	34.0	61.3	63.7	68.8	73.0	76.2	79.3	82.8	83.6	89.1	91.0	91.5	92.0	94.9	95.3	95.3
29	0.0001	34.0	61.3	63.7	68.8	73.0	76.2	79.3	82.8	83.6	89.1	91.0	91.5	92.0	94.9	95.3	95.3
30	0.00005	34.0	61.3	63.7	68.8	73.0	76.2	79.3	82.8	83.6	89.1	91.0	91.5	92.0	94.9	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS 256

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AND WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-710

COL A J D BAKER AAF DL

73-78, PC-50

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ELEVATION FEET	VISIBILITY STATUTE MILES																			
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
NO CEILING	22.1	31.5	37.3	34.0	34.9	35.3	36.0	36.2	35.3	36.8	36.8	36.9	35.9	37.1	37.7	37.4				
1-20000	25.3	36.0	36.9	38.8	39.8	40.1	41.0	41.3	41.4	42.1	42.1	42.4	42.5	42.7	42.9	43.0				
1-8000	25.4	36.3	37.2	39.0	40.1	40.6	41.5	41.8	41.9	42.7	42.7	42.9	43.0	43.2	43.4	43.6				
1-6000	25.5	36.4	37.3	39.2	40.2	40.7	41.6	41.9	42.1	42.8	42.8	43.0	43.2	43.3	43.6	43.7				
1-4000	25.6	36.6	37.5	39.3	40.4	40.9	41.8	42.1	42.2	43.0	43.0	43.2	43.3	43.5	43.7	43.9				
1-2000	26.7	37.0	37.9	39.8	40.8	41.3	42.2	42.5	42.7	43.4	43.4	43.6	43.8	43.9	44.2	44.3				
1-1000	26.0	38.6	39.5	41.4	42.5	43.0	43.9	44.2	44.4	45.1	45.1	45.3	45.5	45.6	45.9	46.0				
1-500	27.0	39.2	40.1	42.2	43.3	43.6	44.7	45.0	45.2	45.9	45.9	46.2	46.3	46.5	46.7	46.8				
1-250	29.2	42.4	43.4	45.5	46.6	47.1	48.0	48.3	48.5	49.2	49.2	49.4	49.6	49.7	50.0	50.1				
1-100	30.1	44.3	45.0	47.1	48.5	49.2	50.1	50.4	50.6	51.3	51.3	51.6	51.7	51.9	52.1	52.2				
1-50	30.2	44.4	45.4	47.5	48.8	49.6	50.5	50.8	50.9	51.7	51.7	52.0	52.1	52.3	52.5	52.6				
1-25	30.6	45.1	46.3	48.3	49.6	50.3	51.2	51.5	51.7	52.4	52.4	52.7	52.8	53.0	53.2	53.3				
1-10	31.3	45.9	46.9	49.1	50.5	51.2	52.1	52.5	52.6	53.4	53.4	53.7	53.8	54.0	54.2	54.3				
1-5	32.2	47.2	48.2	50.4	51.7	52.5	53.5	53.8	54.0	54.7	54.7	55.0	55.1	55.3	55.5	55.6				
1-2	35.2	50.7	51.6	54.5	55.9	56.6	57.6	57.9	58.1	58.9	58.9	59.1	59.3	59.4	59.6	59.8				
1-1	36.6	53.1	54.4	57.8	59.3	60.2	61.3	61.8	62.0	62.9	63.0	63.2	63.4	63.5	63.7	63.9				
1-0.5	38.0	56.1	57.3	61.0	62.6	63.4	64.6	65.2	65.5	66.5	66.5	66.9	67.0	67.2	67.4	67.5				
1-0.25	39.4	58.8	60.5	65.5	67.6	68.6	70.0	70.7	71.1	72.2	72.4	72.7	73.0	73.1	73.3	73.5				
1-0.1	39.8	59.3	61.0	66.3	68.6	69.6	71.0	71.7	72.1	73.3	73.5	73.8	74.1	74.2	74.4	74.6				
1-0.05	40.2	60.3	62.0	68.2	70.7	72.0	73.7	74.7	75.2	76.6	76.8	77.1	77.6	77.7	77.9	78.1				
1-0.025	40.3	60.5	62.3	69.1	72.1	73.6	75.3	77.0	77.8	79.4	79.7	80.1	80.6	80.8	81.0	81.1				
1-0.01	40.4	60.9	62.7	70.4	74.1	75.9	78.0	80.3	81.3	83.7	84.3	84.9	85.7	85.9	86.1	86.2				
1-0.005	40.4	60.9	62.7	70.5	74.4	76.2	78.5	81.0	82.1	84.6	85.3	86.0	86.8	87.0	87.2	87.3				
1-0.0025	40.5	61.0	62.8	70.6	74.5	76.3	78.7	81.5	82.9	85.8	86.5	87.1	87.9	88.1	88.4	88.5				
1-0.001	40.5	61.0	62.8	70.7	74.7	76.6	79.2	82.2	83.5	87.1	87.9	88.5	89.4	89.9	90.2	90.3				
1-0.0005	40.5	61.0	62.8	71.2	75.3	77.2	80.1	83.5	85.0	88.8	89.7	90.4	91.4	91.9	92.2	92.4				
1-0.00025	40.5	61.0	62.8	71.2	75.4	77.4	80.5	84.1	85.6	90.1	91.5	92.4	93.6	94.2	94.6	94.7				
1-0.0001	40.5	61.0	62.8	71.2	75.4	77.4	80.5	84.3	86.0	90.7	92.1	93.2	94.5	95.4	95.8	95.9				
1-0.00005	40.5	61.0	62.8	71.2	75.4	77.4	80.5	84.5	86.2	91.5	93.3	94.7	96.1	97.3	98.0	98.2				
1-0.000025	40.5	61.0	62.8	71.2	75.4	77.4	80.5	84.6	86.2	91.5	93.6	95.2	96.7	98.3	99.1	99.4				
1-0.00001	40.5	61.0	62.8	71.2	75.4	77.4	80.5	84.6	86.2	91.5	93.6	95.2	96.8	98.3	99.2	99.6				

TOTAL NUMBER OF OBSERVATIONS 2344

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5710 COL A J 30 BAKER AAF DL

73-78,00-87

MA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1622-0822

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	18.9	26.0	29.8	30.7	31.0	31.0	31.3	31.5	31.7	31.7	32.0	32.0	32.3	32.6	32.8	33.4
≥20000	23.9	33.2	34.7	36.2	36.7	36.7	37.0	37.2	37.3	37.3	37.6	37.6	38.0	38.6	38.7	39.4
≥18000	23.6	33.4	34.2	36.4	36.9	36.9	37.2	37.3	37.5	37.5	37.8	37.8	38.1	38.7	38.9	39.5
≥16000	23.0	33.4	34.2	36.4	36.9	36.9	37.5	37.6	37.8	37.8	38.1	38.1	38.4	39.1	39.2	39.8
≥14000	23.9	33.4	34.2	36.4	36.9	36.9	37.5	37.5	37.8	37.8	38.1	38.1	38.4	39.1	39.2	39.8
≥12000	24.1	34.0	34.8	37.0	37.5	37.5	38.1	38.3	38.4	38.4	38.7	38.7	39.1	39.7	39.8	40.5
≥10000	26.1	36.7	37.5	39.7	41.2	40.2	40.8	40.9	41.1	41.1	41.4	41.4	41.7	42.4	42.5	43.1
≥9000	27.1	38.1	38.9	41.1	41.6	41.6	42.2	42.4	42.5	42.5	42.8	42.8	43.1	43.8	43.9	44.6
≥8000	32.3	43.9	44.7	47.1	47.9	47.9	48.5	48.7	48.9	48.8	49.1	49.1	49.4	50.2	50.4	51.0
≥7000	33.4	45.0	45.8	48.2	49.4	49.9	50.6	50.7	50.9	50.9	51.2	51.2	51.5	52.3	52.4	53.1
≥6000	33.5	45.4	46.1	48.5	49.8	50.2	50.9	51.0	51.2	51.2	51.5	51.5	51.8	52.6	52.8	53.4
≥5000	34.8	46.6	47.4	49.8	51.0	51.5	52.1	52.3	52.4	52.4	52.9	52.9	53.1	53.9	54.0	54.6
≥4500	35.0	46.8	47.6	49.9	51.2	51.7	52.3	52.4	52.6	52.6	52.9	52.9	53.2	54.0	54.2	54.8
≥4000	37.1	49.3	50.1	52.6	53.9	54.3	55.0	55.1	55.3	55.3	55.6	55.6	55.9	56.7	56.9	57.5
≥3500	38.4	51.2	52.1	54.6	55.9	56.4	57.2	57.3	57.5	57.5	57.8	57.8	58.1	58.9	59.1	59.7
≥3000	40.5	54.0	54.9	57.5	58.9	59.8	60.4	61.1	61.3	61.3	61.6	61.7	62.0	62.8	63.1	63.8
≥2500	41.9	55.7	56.9	59.5	61.1	62.0	63.0	63.6	63.9	63.9	64.3	64.4	64.7	65.5	65.8	66.5
≥2000	43.1	58.1	59.4	63.0	65.0	66.0	67.6	68.6	69.3	69.6	69.9	70.1	70.6	71.3	71.7	72.3
≥1800	43.6	58.7	60.0	63.8	66.0	66.9	68.7	69.9	70.6	70.9	71.2	71.3	71.8	72.6	72.9	73.5
≥1600	43.8	59.5	60.8	64.0	66.8	69.6	72.3	73.5	74.2	74.8	75.1	75.3	75.7	76.5	76.9	77.5
≥1400	44.3	60.3	61.9	67.1	69.9	71.2	74.2	75.7	76.5	78.3	78.7	78.9	79.4	80.2	80.5	81.1
≥1200	44.8	60.8	62.5	68.0	71.2	72.4	75.7	77.6	78.7	81.7	82.8	83.0	83.6	84.4	84.7	85.4
≥1000	44.7	61.1	62.8	69.4	72.6	73.9	77.6	79.5	80.6	84.1	85.5	85.7	86.3	87.1	87.4	88.1
≥900	44.9	61.3	63.1	70.1	73.4	74.6	78.9	80.9	82.4	86.1	87.7	87.9	88.5	89.4	89.8	90.4
≥800	44.9	61.3	63.1	70.1	73.4	74.6	79.1	81.9	83.6	87.6	89.3	89.4	90.1	91.0	91.3	92.0
≥700	44.9	61.3	63.1	70.2	73.5	75.0	79.2	82.4	84.4	89.9	91.8	92.1	94.0	95.1	95.4	96.1
≥600	44.9	61.3	63.1	70.2	73.5	75.0	79.5	83.1	85.2	90.9	92.9	93.5	95.9	97.0	97.3	98.0
≥500	44.9	61.3	63.1	70.2	73.5	75.0	79.5	83.3	85.4	91.2	93.4	94.0	97.2	98.7	99.1	99.7
≥400	44.9	61.3	63.1	70.2	73.5	75.0	79.5	83.3	85.4	91.2	93.4	94.0	97.2	98.7	99.1	99.7
≥300	44.9	61.3	63.1	70.2	73.5	75.0	79.5	83.3	85.4	91.2	93.4	94.0	97.2	98.7	99.1	99.7
≥200	44.9	61.3	63.1	70.2	73.5	75.0	79.5	83.3	85.4	91.2	93.4	94.0	97.2	98.7	99.1	99.7
≥100	44.9	61.3	63.1	70.2	73.5	75.0	79.5	83.3	85.4	91.2	93.4	94.0	97.2	98.7	99.1	99.7

TOTAL NUMBER OF OBSERVATIONS 635

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710 COL A J DO BAKER AAF DL

73-75,50-32

WA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1 03-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	21	24	23	22	27	2	24	21	24	21	2	23	24	21
1000	20.0	30.9	31.4	33.5	34.3	34.3	35.7	35.1	36.1	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2000	26.1	35.2	39.7	41.7	42.5	42.5	43.1	43.3	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6
3000	26.5	39.0	40.4	42.6	43.6	43.6	44.2	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7
4000	26.4	39.0	40.4	42.6	43.6	43.6	44.2	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7
5000	26.6	39.3	40.9	42.9	43.6	43.6	44.5	44.7	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0
6000	26.8	39.3	40.9	43.1	44.0	44.0	44.7	44.6	44.6	45.1	45.1	45.1	45.1	45.1	45.1	45.1
7000	27.7	40.9	42.7	44.5	45.5	45.5	46.1	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6
8000	29.0	42.5	43.7	46.1	47.0	47.0	47.6	47.8	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1
9000	32.4	46.6	49.0	50.8	52.2	52.2	53.0	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4
10000	33.1	47.6	49.1	52.0	53.9	53.9	54.7	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2
11000	33.4	48.3	49.4	52.4	54.4	54.4	55.2	55.3	55.7	55.6	55.6	55.6	55.6	55.6	55.6	55.6
12000	33.5	48.6	50.0	53.0	55.0	55.0	55.8	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3
13000	33.9	48.9	50.3	53.4	55.5	55.5	56.3	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7
14000	36.2	52.2	53.5	56.7	58.9	58.9	59.7	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2
15000	37.5	54.1	55.5	58.6	61.0	61.0	61.8	62.4	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7
16000	40.8	57.8	59.2	62.9	65.2	65.2	66.1	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1
17000	42.5	59.9	61.3	64.9	67.4	67.4	68.5	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4
18000	44.4	62.4	64.7	68.8	71.3	71.3	72.9	73.7	73.7	74.5	74.5	74.5	74.5	74.5	74.5	74.5
19000	45.3	63.5	65.8	70.2	72.7	72.7	74.6	75.4	75.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2
20000	45.5	64.4	66.8	71.9	75.2	75.4	77.6	78.4	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
21000	45.5	64.7	67.1	72.3	75.5	75.5	78.2	79.3	79.5	81.2	81.7	81.7	81.7	81.7	81.7	81.7
22000	45.8	65.4	67.9	73.8	77.7	78.1	81.0	82.6	83.5	85.9	86.7	86.8	87.0	87.5	87.5	87.5
23000	45.8	65.7	68.2	74.5	78.7	79.0	82.8	85.0	86.1	88.9	89.7	89.8	90.0	90.4	90.4	90.4
24000	45.8	65.7	68.2	74.8	79.3	79.6	83.5	85.7	86.8	89.8	91.1	91.2	91.4	92.7	92.7	92.7
25000	45.8	65.7	68.3	75.1	79.6	79.9	84.2	86.4	87.6	91.7	92.9	93.1	93.4	94.2	94.2	94.2
26000	45.8	65.7	68.3	75.1	79.6	80.3	84.6	86.2	87.7	95.5	97.5	97.5	97.6	98.5	98.5	98.5
27000	45.8	65.7	68.3	75.1	79.6	80.3	84.6	86.2	87.7	96.6	98.1	98.4	98.7	99.7	99.7	99.7
28000	45.8	65.8	68.5	75.2	79.8	80.4	84.8	86.4	87.8	96.7	98.3	98.6	98.9	100.0	100.0	100.0
29000	45.8	65.8	68.5	75.2	79.8	80.4	84.8	86.4	87.8	96.7	98.3	98.6	98.9	100.0	100.0	100.0
30000	45.8	65.8	68.5	75.2	79.8	80.4	84.8	86.4	87.8	96.7	98.3	98.6	98.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 678

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
 CLIMATE BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

710 COL A J LO BAKER AAF DL

73-78,80-92

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1222-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	26	24	22	20	18	16	14	12	10	8	6	4	2	1/2	0
1000	22.1	31.1	31.4	32.6	34.0	34.5	34.8	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
900	28.7	40.5	41.7	42.2	43.8	44.3	44.5	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
800	29.2	41.0	41.6	42.7	44.3	44.6	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
700	29.2	41.0	41.6	42.7	44.3	44.6	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
600	29.4	41.2	41.7	42.9	44.4	44.9	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
500	29.9	41.9	42.6	43.8	45.3	45.6	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
400	32.3	45.1	45.9	47.1	48.6	49.2	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
300	32.9	45.5	46.6	47.8	49.3	49.6	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
200	35.3	47.3	50.2	51.7	53.7	54.2	54.6	54.6	54.7	54.7	54.7	54.7	54.9	54.9	54.9	54.9
100	35.8	49.5	50.3	52.0	54.1	54.6	54.9	54.9	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2
50	35.6	50.0	50.9	52.5	54.8	55.1	55.4	55.4	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7
25	36.1	50.5	51.4	53.2	55.1	55.6	55.9	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.3	56.3
10	36.1	50.7	51.5	53.2	55.2	55.7	56.1	56.1	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4
5	37.7	52.7	53.9	55.7	57.9	58.4	58.8	58.8	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1
2	37.7	54.6	55.7	57.9	60.1	60.6	61.0	61.0	61.1	61.3	61.3	61.3	61.5	61.5	61.5	61.5
1	41.4	59.3	60.5	63.2	65.4	65.9	66.2	66.2	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7
0	42.7	61.1	62.7	66.2	68.4	69.3	69.6	69.6	69.8	69.9	69.9	69.9	70.1	70.1	70.1	70.1
1000	45.1	64.7	66.4	71.4	74.0	75.0	75.5	75.5	75.7	76.0	76.2	76.4	76.4	76.4	76.4	76.4
900	45.3	66.4	68.9	73.6	76.5	77.5	78.4	78.5	78.7	79.1	79.2	79.4	79.4	79.4	79.4	79.4
800	46.5	67.4	69.7	76.7	79.7	80.7	82.1	82.4	82.6	83.3	83.4	83.6	83.6	83.6	83.6	83.6
700	46.5	67.6	70.3	77.2	80.6	81.6	83.8	84.1	84.3	85.8	86.0	86.1	86.1	86.1	86.1	86.1
600	46.5	67.7	70.5	78.2	82.6	83.6	86.3	87.2	87.7	89.4	89.7	90.0	90.0	90.0	90.0	90.0
500	46.5	68.2	71.1	79.6	84.1	85.3	88.0	89.2	89.4	91.6	91.9	92.2	92.2	92.2	92.2	92.2
400	46.5	68.2	71.1	80.1	84.6	86.0	89.0	90.7	91.2	93.8	94.1	94.4	94.6	95.1	95.1	95.1
300	46.5	68.2	71.1	80.1	84.6	86.0	89.0	91.2	91.7	94.6	94.9	95.3	95.4	95.9	95.9	95.9
200	46.5	68.2	71.1	80.2	85.0	86.3	89.5	92.4	92.9	95.5	96.5	96.8	97.0	97.5	97.5	97.5
100	46.5	68.4	71.3	80.4	85.3	86.7	89.9	92.9	93.4	96.8	97.5	97.8	98.0	98.5	98.5	98.5
50	46.5	68.4	71.3	80.4	85.3	86.7	89.9	92.9	93.4	97.0	98.0	98.3	99.2	99.8	99.8	99.8
25	46.5	68.4	71.3	80.4	85.3	86.7	89.9	92.9	93.4	97.0	98.0	98.3	99.2	99.8	99.8	99.8
10	46.5	68.4	71.3	80.4	85.3	86.7	89.9	92.9	93.4	97.0	98.0	98.3	99.2	99.8	99.8	99.8
5	46.5	68.4	71.3	80.4	85.3	86.7	89.9	92.9	93.4	97.0	98.0	98.3	99.2	99.8	99.8	99.8
2	46.5	68.4	71.3	80.4	85.3	86.7	89.9	92.9	93.4	97.0	98.0	98.3	99.2	99.8	99.8	99.8
1	46.5	68.4	71.3	80.4	85.3	86.7	89.9	92.9	93.4	97.0	98.0	98.3	99.2	99.8	99.8	99.8
0	46.5	68.4	71.3	80.4	85.3	86.7	89.9	92.9	93.4	97.0	98.0	98.3	99.2	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 592

CLIPAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710 COL A J ED BAKER AAF DL

73-73,80-82

MA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	30	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
1000	17.9	29.6	37.7	31.6	33.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
900	24.8	41.6	42.3	43.8	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
800	25.7	42.7	43.4	44.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
700	25.7	42.7	43.4	44.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
600	25.9	42.9	43.6	45.1	47.7	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
500	25.9	43.4	44.7	46.2	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
400	26.8	44.7	46.3	47.6	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
300	27.2	45.4	46.7	48.2	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
200	29.2	48.5	50.2	52.7	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
100	29.9	49.8	51.5	54.4	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
50	29.9	50.0	51.8	54.6	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
25	30.1	50.4	52.2	55.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
15	30.1	50.7	52.4	55.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
10	31.0	52.9	55.1	58.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
5	31.4	53.5	55.8	58.6	62.2	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2	36.3	60.0	62.8	65.9	69.5	69.7	69.7	69.9	69.9	69.9	70.1	70.1	70.1	70.1	70.1	70.1
1	37.4	61.5	64.6	68.4	71.9	72.1	72.1	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6
0.5	38.5	64.2	67.9	73.0	77.2	77.9	77.9	78.1	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5
0.25	39.2	65.3	69.0	74.6	79.0	79.6	79.9	80.1	80.1	80.8	80.8	80.8	80.8	81.0	81.0	81.0
0.1	40.3	67.9	71.7	78.1	83.2	84.1	84.3	84.5	84.5	85.4	85.6	85.6	85.6	85.8	85.8	85.8
0.05	40.3	68.1	71.9	78.3	83.4	84.7	85.4	85.6	85.6	86.7	86.9	86.9	86.9	87.2	87.2	87.2
0.025	40.3	68.4	72.1	79.2	85.2	86.5	88.1	89.4	89.4	91.6	91.8	91.8	92.0	92.0	92.0	92.0
0.01	40.3	68.4	72.1	79.6	86.7	88.1	89.6	91.2	91.2	93.4	93.6	93.6	93.8	93.8	93.8	93.8
0.005	40.3	68.6	72.3	79.9	86.9	88.3	90.3	92.5	92.7	95.1	95.4	95.6	95.8	95.8	95.8	95.8
0.0025	40.3	68.6	72.3	79.9	86.9	88.3	90.3	92.5	92.7	95.4	95.6	95.8	96.0	96.0	96.0	96.0
0.001	40.3	68.6	72.3	79.9	86.9	88.3	90.7	93.1	93.4	96.7	97.1	97.6	98.0	98.0	98.0	98.0
0.0005	40.3	68.6	72.3	79.9	86.9	88.3	90.7	93.1	93.4	97.1	97.6	98.0	98.5	99.3	99.3	99.3
0.00025	40.3	68.6	72.3	79.9	86.9	88.3	90.7	93.1	93.4	97.1	97.6	98.0	98.5	99.6	100.0	100.0
0.0001	40.3	68.6	72.3	79.9	86.9	88.3	90.7	93.1	93.4	97.1	97.6	98.0	98.5	99.6	100.0	100.0
0.00005	40.3	68.6	72.3	79.9	86.9	88.3	90.7	93.1	93.4	97.1	97.6	98.0	98.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 452

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOINT CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0710 COL A J 60 BAKER AAF DL

73-79,80-82

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-2-2828

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	17.3	31.4	32.2	33.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
1800	25.4	42.4	44.5	46.3	47.7	47.7	47.7	47.7	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1
1600	25.4	42.8	45.2	47.3	48.8	48.8	48.8	48.8	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1
1400	25.4	42.8	45.2	47.3	48.8	48.8	48.8	48.8	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1
1200	25.8	42.8	45.2	47.3	48.8	48.8	48.8	48.8	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1
1000	26.1	43.1	45.6	47.7	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5
800	27.6	44.9	47.3	49.5	50.9	50.9	50.9	50.9	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2
600	27.7	45.2	47.7	50.5	51.9	51.9	51.9	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
400	31.1	49.1	51.6	54.4	56.2	56.5	56.5	56.5	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9
200	33.2	51.9	54.4	58.0	59.7	60.4	60.4	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8
100	33.2	51.9	54.4	58.0	59.7	60.4	60.4	60.4	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8
50	33.9	53.1	55.5	59.0	60.8	61.5	61.5	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8
25	33.9	53.0	55.5	59.0	60.8	61.5	61.5	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8
10	35.0	55.5	58.0	61.8	63.6	64.3	64.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7
5	37.1	58.0	60.8	64.7	67.1	67.8	67.8	67.8	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5
2	38.2	61.5	64.3	68.6	71.0	71.7	71.7	71.7	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4
1	38.5	61.8	64.7	68.9	71.7	72.4	72.4	72.4	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1
0.5	39.9	64.0	67.1	72.8	76.7	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1
0.25	40.3	65.0	68.2	74.2	78.1	78.6	78.6	78.6	78.6	79.5	79.5	79.5	79.5	79.5	79.5	79.5
0.1	40.3	66.8	70.0	77.7	82.3	83.4	83.4	83.4	83.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
0.05	40.3	66.8	70.0	77.7	82.3	83.7	83.7	83.7	83.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2
0.025	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9
0.01	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6
0.005	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
0.0025	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1
0.001	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5
0.0005	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
0.00025	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7
0.0001	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
0.00005	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
0.000025	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
0.00001	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
0.000005	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0.0000025	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.000001	40.3	66.8	70.0	78.4	83.7	85.2	85.2	85.2	85.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 293

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0710 COL A J 30 BAKER AAF DL

73-78, PC-62

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	19.3	30.1	30.4	32.3	33.4	33.6	33.9	34.0	34.0	34.1	34.2	34.2	34.3	34.3	34.4	34.5
≥ 20000	25.7	38.6	39.6	41.3	42.5	42.7	43.0	43.1	43.2	43.3	43.3	43.3	43.4	43.6	43.5	43.8
≥ 18000	26.2	39.2	40.2	42.0	43.3	43.4	43.7	43.8	43.9	44.0	44.1	44.1	44.2	44.3	44.3	44.5
≥ 16000	26.2	39.2	40.2	42.0	43.3	43.4	43.7	43.8	43.9	44.0	44.1	44.2	44.2	44.4	44.4	44.6
≥ 14000	26.3	39.3	40.3	42.2	43.4	43.6	44.0	44.0	44.1	44.2	44.3	44.3	44.4	44.5	44.5	44.7
≥ 12000	26.6	39.8	41.0	42.6	44.0	44.2	44.6	44.7	44.7	44.8	44.9	44.9	45.0	45.2	45.2	45.3
≥ 10000	28.2	41.9	43.2	45.0	46.2	46.4	46.8	46.8	46.9	47.0	47.1	47.1	47.2	47.4	47.4	47.6
≥ 9000	29.0	43.0	44.2	46.1	47.3	47.5	47.9	48.0	48.0	48.2	48.2	48.2	48.3	48.5	48.5	48.7
≥ 8000	32.3	47.2	48.5	50.8	52.5	52.7	53.2	53.2	53.3	53.4	53.5	53.5	53.6	53.8	53.9	54.0
≥ 7000	33.2	48.3	49.6	52.2	54.1	54.5	54.9	55.0	55.0	55.2	55.2	55.3	55.3	55.6	55.6	55.8
≥ 6000	33.3	48.6	49.9	52.5	54.5	54.8	55.2	55.3	55.4	55.5	55.6	55.6	55.7	55.9	55.9	56.1
≥ 5000	33.9	49.3	50.7	53.2	55.2	55.6	56.0	56.1	56.2	56.3	56.3	56.4	56.5	56.7	56.7	56.9
≥ 4500	34.0	49.5	50.8	53.5	55.5	55.8	56.2	56.3	56.4	56.5	56.6	56.6	56.7	56.9	57.0	57.1
≥ 4000	35.7	52.1	53.5	56.3	58.3	58.7	59.1	59.2	59.3	59.4	59.5	59.5	59.6	59.8	59.9	60.0
≥ 3500	36.9	53.8	55.3	58.2	60.4	60.8	61.2	61.5	61.5	61.8	61.8	61.9	62.0	62.2	62.3	62.4
≥ 3000	39.8	58.0	59.6	62.8	65.1	65.5	66.1	66.3	66.4	66.7	66.7	66.8	66.9	67.2	67.3	67.4
≥ 2500	41.2	59.7	61.5	64.9	67.3	67.9	68.5	68.8	68.9	69.2	69.2	69.3	69.4	69.7	69.8	69.9
≥ 2000	42.7	62.3	64.7	69.2	72.0	72.7	73.5	74.2	74.3	74.6	74.9	75.0	75.2	75.4	75.5	75.7
≥ 1800	43.4	63.5	65.9	70.6	73.6	74.3	75.4	76.0	76.2	76.8	77.0	77.0	77.2	77.5	77.6	77.7
≥ 1600	43.3	64.8	67.3	73.3	76.8	77.6	79.1	79.9	80.1	81.1	81.2	81.3	81.5	81.8	81.9	82.0
≥ 1400	43.9	65.1	67.7	73.8	77.4	78.5	80.4	81.3	81.6	83.2	83.5	83.6	83.9	84.2	84.2	84.4
≥ 1200	44.1	65.5	68.2	74.8	79.2	80.2	82.8	84.3	84.8	87.3	87.8	88.0	88.2	88.7	88.7	88.9
≥ 1000	44.1	65.7	68.3	75.4	80.0	81.1	83.9	85.7	86.3	89.0	89.6	89.7	90.0	90.4	90.5	90.7
≥ 900	44.1	65.8	69.5	76.0	80.7	81.8	85.0	87.0	87.7	90.7	91.5	91.7	92.0	92.5	92.6	92.7
≥ 800	44.2	65.8	68.6	76.2	81.0	82.1	85.4	87.6	88.4	92.0	92.8	93.0	93.3	93.9	94.0	94.1
≥ 700	44.2	65.8	68.6	76.2	81.0	82.2	85.7	88.4	89.3	93.1	94.1	94.4	94.7	95.3	95.4	95.6
≥ 600	44.2	65.8	68.6	76.3	81.2	82.3	85.9	89.0	90.1	94.7	95.8	96.2	96.8	97.7	97.7	97.9
≥ 500	44.2	65.8	68.6	76.3	81.2	82.3	86.0	89.2	90.3	95.4	96.7	97.1	98.0	98.9	99.1	99.3
≥ 400	44.2	65.9	68.7	76.3	81.2	82.4	86.0	89.3	90.3	95.5	96.8	97.2	98.3	99.5	99.7	99.9
≥ 300	44.2	65.9	68.7	76.3	81.2	82.4	86.0	89.3	90.3	95.5	96.8	97.2	98.3	99.5	99.7	100.0
≥ 200	44.2	65.9	68.7	76.3	81.2	82.4	86.0	89.3	90.3	95.5	96.8	97.2	98.3	99.5	99.7	100.0
≥ 100	44.2	65.9	68.7	76.3	81.2	82.4	86.0	89.3	90.3	95.5	96.8	97.2	98.3	99.5	99.7	100.0
≥ 0	44.2	65.9	68.7	76.3	81.2	82.4	86.0	89.3	90.3	95.5	96.8	97.2	98.3	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2600

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIPAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710
STATION

COL A J 30 BAKER AAF DL
STATION NAME

73-78,80-82
YEAR

AP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

602-2622
FORM 1

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO. CEILING	24.1	35.0	35.6	36.3	37.0	37.1	37.1	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	26.4	39.1	39.9	40.8	41.4	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 18000	26.4	39.1	39.9	40.8	41.4	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	26.4	39.1	39.9	40.8	41.4	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	26.4	39.1	39.9	40.8	41.4	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 12000	26.4	39.1	39.9	40.8	41.4	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 10000	26.4	39.1	39.9	40.8	41.4	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 9000	27.9	42.2	43.1	43.9	44.6	44.7	44.7	45.0	45.0	45.2	45.2	45.2	45.2	45.5	45.5	46.2
≥ 8000	28.5	43.7	44.6	45.9	47.2	47.4	47.4	47.7	47.7	48.0	48.0	48.0	48.0	48.3	48.8	49.5
≥ 7000	30.5	46.0	47.2	48.5	49.8	50.0	50.0	50.3	50.3	50.7	50.7	50.7	50.7	51.0	51.5	52.1
≥ 6000	30.7	46.2	47.4	48.7	50.0	50.2	50.2	50.5	50.5	50.8	50.8	50.8	50.8	51.2	51.7	52.3
≥ 5000	32.0	48.3	49.5	51.0	52.3	52.5	52.5	52.8	52.8	53.3	53.3	53.3	53.3	53.6	54.3	55.0
≥ 4500	32.2	48.7	50.0	51.7	53.0	53.1	53.1	53.5	53.5	54.0	54.0	54.0	54.0	54.3	55.0	55.6
≥ 4000	34.3	51.2	52.5	54.1	55.4	55.8	55.8	56.1	56.1	56.8	56.8	56.8	56.8	57.1	57.8	58.4
≥ 3500	35.3	53.0	54.5	56.1	57.4	57.8	57.8	58.1	58.1	58.7	58.7	58.7	58.7	59.1	59.7	60.4
≥ 3000	36.1	54.8	56.3	58.9	60.4	60.9	60.9	61.2	61.2	61.9	61.9	61.9	61.9	62.2	62.9	63.5
≥ 2500	37.5	56.6	58.1	61.9	63.5	64.0	64.0	64.4	64.4	65.2	65.2	65.3	65.3	65.7	66.3	67.0
≥ 2000	38.3	57.6	59.6	64.4	66.5	67.3	68.6	69.5	69.5	70.3	70.3	70.5	70.5	70.8	71.5	72.1
≥ 1800	38.4	57.8	59.7	64.7	66.8	67.7	69.0	69.8	69.8	70.6	70.6	70.8	70.8	71.1	71.8	72.4
≥ 1600	38.4	57.9	60.1	65.5	68.3	69.1	71.3	72.4	72.4	73.6	74.3	74.8	74.8	75.1	75.7	76.4
≥ 1400	38.8	58.4	60.6	67.0	70.0	71.0	73.4	74.9	75.1	76.2	76.9	77.4	77.7	78.4	78.4	79.0
≥ 1200	38.9	58.7	60.9	67.7	70.8	71.9	75.2	77.4	78.4	80.5	81.5	82.2	83.0	83.7	84.5	85.6
≥ 1000	38.9	58.7	60.9	67.7	70.8	71.9	75.2	77.4	78.4	80.5	81.5	82.2	83.0	83.7	84.5	85.6
≥ 900	39.3	59.2	61.6	68.3	71.6	72.9	76.4	78.5	79.9	82.5	83.9	84.7	85.6	86.3	86.3	87.1
≥ 800	39.3	59.4	61.7	68.8	72.1	73.6	78.1	81.0	82.7	86.3	88.8	89.6	90.9	92.6	92.7	93.7
≥ 700	39.3	59.4	61.7	69.1	72.4	73.9	78.4	81.8	84.0	89.3	92.2	93.1	95.4	98.0	99.7	100.0
≥ 600	39.3	59.4	61.7	69.1	72.4	73.9	78.4	81.8	84.0	89.3	92.2	93.1	95.4	98.0	99.7	100.0
≥ 500	39.3	59.4	61.7	69.1	72.4	73.9	78.4	81.8	84.0	89.3	92.2	93.1	95.4	98.0	99.7	100.0
≥ 400	39.3	59.4	61.7	69.1	72.4	73.9	78.4	81.8	84.0	89.3	92.2	93.1	95.4	98.0	99.7	100.0
≥ 300	39.3	59.4	61.7	69.1	72.4	73.9	78.4	81.8	84.0	89.3	92.2	93.1	95.4	98.0	99.7	100.0
≥ 200	39.3	59.4	61.7	69.1	72.4	73.9	78.4	81.8	84.0	89.3	92.2	93.1	95.4	98.0	99.7	100.0
≥ 100	39.3	59.4	61.7	69.1	72.4	73.9	78.4	81.8	84.0	89.3	92.2	93.1	95.4	98.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 626

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5710 COL A J SO BAKER AAF DL

73-78,80-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
25000	25.5	35.5	35.8	36.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
20000	26.4	42.0	42.3	42.6	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
18000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
16000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
14000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
12000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
10000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
9000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
8000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
7000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
6000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
5000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
4500	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
4000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
3500	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
3000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
2500	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
2000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
1800	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
1600	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
1400	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
1200	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
1000	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
900	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
800	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
700	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
600	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
500	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
400	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
300	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
200	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
100	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
0	26.7	42.6	43.0	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8

TOTAL NUMBER OF OBSERVATIONS 603

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 9710 COL A J SO BAKER AAF DL

73-78,80-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	20.7	30.0	30.2	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 20000	24.1	37.4	37.6	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 18000	25.2	40.1	40.6	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 16000	25.2	40.5	40.6	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 14000	25.2	40.6	40.8	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 12000	25.2	40.6	40.8	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 10000	25.9	42.3	42.6	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 9000	25.9	42.8	43.2	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 8000	29.3	46.9	47.3	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 7000	29.2	47.8	48.2	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 6000	30.2	47.8	48.2	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 5000	31.1	49.6	50.0	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 4500	31.9	50.0	50.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 4000	32.9	52.7	53.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 3500	35.1	55.4	55.9	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 3000	38.9	60.4	61.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 2500	41.0	63.5	64.6	67.1	67.4	67.8	68.0	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 2000	43.5	66.9	68.0	71.6	72.8	73.2	73.7	73.7	73.7	74.1	74.1	74.3	74.5	74.5	74.5	74.5
≥ 1800	44.6	69.4	70.7	75.2	77.0	77.3	77.9	78.1	78.1	78.4	78.4	78.6	78.8	78.8	78.8	78.8
≥ 1600	45.9	71.6	73.1	78.4	80.8	81.3	82.2	82.6	82.6	83.3	83.3	83.5	83.6	83.8	83.8	83.8
≥ 1400	45.0	72.3	73.7	80.2	82.6	83.5	85.4	85.8	85.8	86.5	86.9	87.1	87.2	87.4	87.4	87.4
≥ 1200	46.3	73.2	74.6	81.7	84.2	85.3	87.8	88.1	88.5	90.1	90.3	91.0	91.2	91.4	91.5	91.5
≥ 1000	46.9	73.4	74.8	81.8	84.4	85.4	87.9	88.5	88.8	90.5	91.2	91.4	91.5	91.9	92.1	92.1
≥ 900	46.9	73.4	74.8	81.8	84.4	85.4	88.1	88.8	89.2	91.0	91.7	91.9	92.1	92.4	92.5	92.6
≥ 800	46.9	73.4	75.2	82.2	84.9	86.0	89.4	90.6	91.0	94.2	95.0	95.1	95.3	95.7	95.9	95.9
≥ 700	46.9	73.4	75.2	82.4	85.1	86.2	89.6	91.2	91.5	95.1	95.9	96.0	96.4	97.1	97.3	97.3
≥ 600	46.9	73.4	75.2	82.4	85.1	86.2	89.9	91.5	91.9	95.9	96.9	97.1	97.7	98.6	98.7	98.7
≥ 500	46.9	73.4	75.2	82.4	85.1	86.2	89.9	91.9	92.3	96.2	97.3	97.5	98.0	99.6	99.8	99.8
≥ 400	46.9	73.4	75.2	82.4	85.1	86.2	89.9	91.9	92.3	96.2	97.3	97.5	98.0	99.6	99.8	99.8
≥ 300	46.9	73.4	75.2	82.4	85.1	86.2	89.9	91.9	92.3	96.2	97.3	97.5	98.0	99.6	99.8	99.8
≥ 200	46.9	73.4	75.2	82.4	85.1	86.2	89.9	91.9	92.3	96.2	97.3	97.5	98.0	99.6	99.8	99.8
≥ 100	46.9	73.4	75.2	82.4	85.1	86.2	89.9	91.9	92.3	96.2	97.3	97.5	98.0	99.6	99.8	99.8
≥ 0	46.9	73.4	75.2	82.4	85.1	86.2	89.9	91.9	92.3	96.2	97.3	97.5	98.0	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 556

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-77,80-82
YEAR

APT
CODE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1522-1700
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO FADING	21.3	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 20000	25.2	39.4	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 18000	25.2	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 16000	25.2	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000	25.2	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000	25.9	40.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000	26.4	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 9000	27.3	43.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 8000	29.8	48.2	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 7000	30.7	49.5	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 6000	30.7	50.3	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 5000	31.2	50.9	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 4500	32.4	52.8	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 4000	34.2	54.6	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3500	36.9	57.8	58.5	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3000	41.3	65.1	66.3	67.9	67.9	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2500	43.3	69.5	70.9	73.2	73.2	73.4	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2000	44.7	72.2	73.6	77.1	77.5	77.6	78.2	78.9	79.1	79.1	79.1	79.4	79.4	79.4	79.4	79.4
≥ 1800	45.2	73.2	75.3	79.6	80.3	80.5	81.2	81.9	82.1	82.6	82.6	82.8	82.8	82.8	82.8	82.8
≥ 1600	45.2	73.4	75.7	80.3	81.7	82.1	82.8	83.5	83.7	84.6	84.9	85.1	85.1	85.1	85.1	85.1
≥ 1400	46.1	75.2	78.3	83.5	85.6	86.2	86.9	88.1	88.3	89.2	89.4	89.7	89.7	89.7	89.7	89.7
≥ 1200	46.1	75.5	78.2	84.2	86.2	86.9	87.8	89.2	89.4	90.8	91.1	91.3	91.5	91.7	92.0	92.0
≥ 1000	46.1	75.5	78.2	84.4	86.7	87.4	88.3	89.9	90.4	92.4	92.7	92.9	93.1	93.3	93.6	93.6
≥ 900	46.1	75.5	78.2	84.4	86.7	87.6	88.8	90.8	91.3	93.8	94.5	94.7	95.0	95.2	95.4	95.4
≥ 800	46.1	75.5	78.2	84.4	86.9	87.6	89.0	91.1	91.5	94.5	95.4	96.1	96.3	96.6	96.8	96.8
≥ 700	46.1	75.5	78.2	84.4	86.9	87.8	89.4	91.7	92.7	95.9	96.8	97.7	98.9	99.5	100.0	100.0
≥ 600	46.1	75.5	78.2	84.4	86.9	87.8	89.4	91.7	92.7	95.9	96.8	97.7	98.9	99.5	100.0	100.0
≥ 500	46.1	75.5	78.2	84.4	86.9	87.8	89.4	91.7	92.7	95.9	96.8	97.7	98.9	99.5	100.0	100.0
≥ 400	46.1	75.5	78.2	84.4	86.9	87.8	89.4	91.7	92.7	95.9	96.8	97.7	98.9	99.5	100.0	100.0
≥ 300	46.1	75.5	78.2	84.4	86.9	87.8	89.4	91.7	92.7	95.9	96.8	97.7	98.9	99.5	100.0	100.0
≥ 200	46.1	75.5	78.2	84.4	86.9	87.8	89.4	91.7	92.7	95.9	96.8	97.7	98.9	99.5	100.0	100.0
≥ 100	46.1	75.5	78.2	84.4	86.9	87.8	89.4	91.7	92.7	95.9	96.8	97.7	98.9	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 476

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-710
 STATION

COL A J DO BAKER AAF DL
 STATION NAME

73-79,80-82
 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1-11

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
≥20000	22.7	33.3	37.7	34.1	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.5	34.7
≥18000	26.1	39.9	47.7	40.6	41.0	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.3	41.3	41.5
≥16000	26.5	40.9	41.4	41.9	42.1	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.5
≥14000	26.5	41.0	41.4	41.9	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.5	42.6
≥12000	26.7	41.1	41.5	42.1	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.6	42.8
≥10000	27.3	42.5	43.7	43.5	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.2
≥9000	28.3	44.0	44.5	45.1	45.3	45.3	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.6	45.6	45.8
≥8000	30.3	47.2	47.8	48.6	49.0	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.4	49.5	49.7
≥7000	31.4	48.6	49.3	50.1	50.5	50.6	50.6	50.7	50.7	50.8	50.8	50.8	50.8	50.9	51.0	51.2
≥6000	31.5	48.8	49.5	50.4	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.3	51.4
≥5000	32.4	50.3	51.0	51.9	52.3	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.7	52.9	53.1
≥4500	32.9	51.0	51.9	52.7	53.1	53.2	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.6	53.7	53.9
≥4000	34.5	53.2	54.7	55.0	55.4	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8	56.0	56.1	56.3
≥3500	36.0	55.3	56.2	57.7	58.1	58.4	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.8	58.9	59.1
≥3000	38.9	59.5	60.5	62.7	63.3	63.6	63.6	63.7	63.7	63.9	63.9	63.9	63.9	64.0	64.2	64.3
≥2500	40.7	62.5	63.8	66.7	67.4	67.9	67.9	68.1	68.1	68.4	68.4	68.4	68.4	68.5	68.7	68.9
≥2000	42.1	64.6	66.1	70.0	71.3	71.6	72.7	73.1	73.3	73.7	73.7	73.9	74.0	74.2	74.2	74.4
≥1800	42.6	65.6	67.2	72.0	73.5	74.0	75.0	75.4	75.6	76.1	76.1	76.3	76.4	76.6	76.6	76.8
≥1600	43.1	66.7	68.5	74.1	76.2	76.8	78.1	78.7	78.9	79.8	80.0	80.3	80.6	80.8	80.8	80.9
≥1400	43.5	67.5	69.5	76.1	78.6	79.4	81.2	82.0	82.2	83.2	83.6	83.9	84.1	84.3	84.3	84.5
≥1200	43.7	67.8	70.0	77.1	79.7	80.7	83.2	84.3	84.8	86.4	87.0	87.3	87.8	88.0	88.1	88.3
≥1000	43.4	67.9	70.1	77.2	79.9	80.9	83.5	84.6	85.2	86.9	87.5	87.9	88.4	88.7	88.8	89.0
≥900	43.8	68.0	70.2	77.7	80.7	81.6	84.5	85.8	86.6	88.7	89.5	89.8	90.4	90.5	90.9	91.1
≥800	43.9	68.1	70.4	78.0	81.0	82.1	85.2	86.9	87.8	90.7	91.7	92.0	92.7	93.3	93.5	93.7
≥700	43.9	68.1	70.4	78.1	81.2	82.4	85.6	87.6	88.5	91.8	93.1	93.6	94.4	95.4	95.6	95.9
≥600	43.9	68.1	70.4	78.2	81.3	82.5	85.9	88.1	89.2	93.0	94.5	95.0	96.3	97.4	97.7	98.0
≥500	43.9	68.1	70.4	78.2	81.4	82.6	86.1	88.4	89.6	93.5	95.1	95.6	96.9	98.3	98.7	99.0
≥400	43.9	68.1	70.4	78.2	81.4	82.6	86.1	88.4	89.6	93.8	95.4	95.9	97.3	98.9	99.5	99.8
≥300	43.9	68.1	70.4	78.2	81.4	82.6	86.1	88.4	89.6	93.8	95.4	95.9	97.3	98.9	99.6	99.8
≥200	43.9	68.1	70.4	78.2	81.4	82.6	86.1	88.4	89.6	93.8	95.4	95.9	97.3	98.9	99.7	100.0
≥100	43.9	68.1	70.4	78.2	81.4	82.6	86.1	88.4	89.6	93.8	95.4	95.9	97.3	98.9	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

2461

USAF ETAC

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

OFFICIAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-710
STATION

CAL A JLD PAKER AAF DL
STATION NAME

73-79,80-82
YEAR

MAC
MOON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1500
DATE

ELEVATION FEET	VISIBILITY - STATUTE MILES																
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
10000	25.7	23.5	34.1	34.7	35.2	35.2	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
9000	25.1	35.1	39.4	39.1	39.5	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
8000	25.9	39.5	40.0	40.6	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
7000	28.9	39.5	40.0	40.6	41.1	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
6000	29.4	40.0	40.5	41.1	41.6	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
5000	29.5	40.3	40.8	41.4	41.9	41.9	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
4000	31.4	42.5	43.1	43.6	44.1	44.1	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
3000	34.2	45.3	46.3	46.9	47.3	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2000	37.5	50.0	50.5	51.3	51.7	51.7	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
1000	40.4	53.8	54.4	55.2	55.6	55.6	55.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
0000	41.4	54.7	55.3	56.1	56.6	56.6	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
4500	42.1	56.4	57.5	58.3	58.8	58.8	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
4000	43.4	59.5	60.5	61.6	62.0	62.0	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
3500	44.1	61.9	63.3	64.1	64.5	64.5	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
3000	47.3	65.9	67.2	68.3	68.9	68.9	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
2500	49.4	69.5	70.9	72.7	73.4	73.4	73.6	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
2000	51.9	72.5	74.5	76.6	78.0	78.3	78.4	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1500	52.1	74.8	77.3	79.2	80.6	80.9	81.1	81.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
1000	53.5	76.1	78.4	81.3	82.7	83.0	83.1	83.9	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
0000	54.2	77.3	79.7	82.6	84.4	84.7	85.5	86.3	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
4500	54.2	78.1	80.5	83.8	85.1	85.4	85.7	86.6	86.8	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
4000	54.2	78.3	80.6	84.1	86.4	86.7	88.3	90.0	90.3	91.4	91.6	91.7	91.9	92.5	92.5	92.5	92.5
3500	54.2	78.4	80.9	84.5	86.9	87.3	88.9	90.9	91.3	92.7	93.0	93.4	93.6	94.2	94.2	94.2	94.2
3000	54.4	79.1	81.4	85.3	87.7	88.1	89.7	92.0	92.3	93.9	94.2	94.7	94.8	95.5	95.5	95.5	95.5
2500	54.4	79.1	81.4	85.6	88.0	88.4	90.2	92.7	93.0	95.0	95.5	95.9	96.1	96.7	96.7	96.7	96.7
2000	54.4	79.1	81.4	85.6	88.0	88.4	90.2	92.7	93.0	95.0	95.5	95.9	96.1	96.7	96.7	96.7	96.7
1500	54.4	79.1	81.4	85.6	88.0	88.4	90.2	92.7	93.0	95.0	95.5	95.9	96.1	96.7	96.7	96.7	96.7
1000	54.4	79.1	81.4	85.6	88.0	88.4	90.2	92.7	93.0	95.0	95.5	95.9	96.1	96.7	96.7	96.7	96.7
0000	54.4	79.1	81.4	85.6	88.0	88.4	90.2	92.7	93.0	95.0	95.5	95.9	96.1	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 64

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0710

COL A J 50 RAKE AAF DL

73-7A, 50-62

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

500-1100

ELEVATION FEET	VISIBILITY, STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	28.3	35.5	39.5	36.1	35.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
18000	30.5	39.8	39.8	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
16000	31.9	42.0	42.0	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
14000	31.4	42.0	42.0	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
12000	31.4	42.0	42.0	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
10000	32.1	42.0	42.0	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
8000	34.5	45.9	45.9	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
6000	35.5	48.3	48.3	48.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
4000	38.8	52.7	52.7	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
2000	43.1	57.3	57.3	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
0000	43.3	58.7	58.7	58.8	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
20000	44.2	60.5	60.5	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
18000	45.5	62.7	62.7	63.6	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
16000	47.5	65.9	65.9	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
14000	50.2	69.8	69.8	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
12000	52.7	74.5	74.5	76.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
10000	54.7	77.2	77.2	79.7	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
8000	57.2	80.5	80.5	83.3	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
6000	57.7	81.7	81.7	84.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4000	59.1	84.2	84.2	87.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
2000	59.4	85.2	85.2	89.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
0000	59.4	85.2	85.2	89.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
20000	59.4	85.2	85.2	89.8	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
18000	59.4	85.2	85.2	90.0	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
16000	59.4	85.2	85.2	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
14000	59.4	85.6	85.6	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
12000	59.4	85.6	85.6	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
10000	59.4	85.6	85.6	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
8000	59.4	85.6	85.6	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
6000	59.4	85.6	85.6	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
4000	59.4	85.6	85.6	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2000	59.4	85.6	85.6	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
0000	59.4	85.6	85.6	90.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS 640

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 9710 COL A 300 BAKED AAF DL

73-78,50-82

WAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1982-1982

CEILING FEET	VISIBILITY STATE MILES															
	20	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
NO. OF OBS.	22.3	27.3	27.5	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
20000	25.1	34.9	35.1	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
18000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
16000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
14000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
12000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
10000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
8000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
6000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
4000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
1000	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
500	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
200	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
100	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
50	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
25	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
10	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
5	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
2	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
1	26.2	36.1	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7

TOTAL NUMBER OF OBSERVATIONS 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 711 COL A J ED BAKER AAF DL

73-77, EC-62

467

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-2-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	22.7	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
1-2000	27.3	36.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
2-3000	27.8	37.7	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
3-4000	27.8	37.7	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
4-5000	27.8	37.7	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
5-6000	29.1	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
6-7000	29.6	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
7-8000	31.0	42.5	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
8-9000	37.3	49.4	49.4	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
9-10000	39.1	52.9	52.9	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
10-11000	39.3	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
11-12000	39.0	56.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
12-13000	40.7	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
13-14000	43.5	64.0	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
14-15000	46.3	70.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
15-16000	53.1	78.4	78.4	80.3	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
16-17000	56.3	82.9	83.1	85.7	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
17-18000	58.7	86.3	86.9	89.5	90.6	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
18-19000	60.1	87.8	88.7	91.2	92.5	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
19-20000	60.2	88.2	89.1	92.1	94.2	94.4	95.3	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
20-21000	60.4	88.7	89.7	93.8	95.9	96.4	97.2	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9
21-22000	60.4	88.7	89.9	94.4	96.6	97.0	98.1	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
22-23000	60.4	88.7	89.9	94.6	96.8	97.2	98.5	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
23-24000	60.4	88.7	89.9	94.6	96.8	97.2	98.7	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
24-25000	60.4	88.7	89.9	94.6	96.8	97.2	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
25-26000	60.4	88.7	89.9	94.6	96.8	97.2	98.7	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
26-27000	60.4	88.7	89.9	94.6	96.8	97.2	98.7	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
27-28000	60.4	88.7	89.9	94.6	96.8	97.2	98.7	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
28-29000	60.4	88.7	89.9	94.6	96.8	97.2	98.7	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
29-30000	60.4	88.7	89.9	94.6	96.8	97.2	98.7	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 467

CLIMATE CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION COL A J 50 BAKER AAF FL

73-77, 81-82

WAV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1973-1982

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20	22.4	31.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
26	28.6	41.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
25	30.1	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
24	30.1	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
23	30.1	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
22	30.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
21	32.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
20	32.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
19	40.5	57.5	57.5	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
18	43.2	61.4	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
17	43.6	61.8	61.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
16	45.2	64.1	64.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
15	48.3	65.0	65.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
14	50.6	71.0	71.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
13	53.7	75.7	75.7	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
12	57.5	81.9	81.9	83.8	83.8	83.8	83.8	83.8	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2
11	57.8	86.1	86.1	88.4	88.8	88.8	88.8	88.8	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
10	60.2	86.9	87.6	90.7	92.3	92.3	92.7	92.7	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1
9	60.2	86.9	87.6	91.1	92.7	92.7	93.1	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
8	60.6	88.0	88.9	93.1	95.4	95.4	95.8	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1
7	60.6	88.0	88.9	94.2	96.5	96.5	96.9	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
6	60.6	88.0	88.9	94.2	96.5	96.5	97.3	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7
5	60.6	88.0	88.9	94.2	96.5	96.5	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8
4	60.6	88.0	88.9	94.2	96.5	96.5	98.1	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8
3	60.6	88.0	88.9	94.2	96.5	96.5	98.1	98.1	98.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2	60.6	88.0	88.9	94.2	96.5	96.5	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1	60.6	88.0	88.9	94.2	96.5	96.5	98.1	98.1	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 250

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710 COL A J BO BAKER AAF DL

73-78, 80-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
24.7	22.1	31.2	32.6	33.8	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	33.0	33.1	33.1	33.1
27.9	37.6	37.9	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.6	38.6	38.7	38.7
21.9	39.4	39.6	41.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4	40.4	40.5	40.5
25.9	39.4	39.6	40.0	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.4	40.4	40.5	40.5
29.0	37.5	39.7	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.6	40.6
29.2	40.0	40.1	40.6	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0	41.1	41.1
31.3	42.5	43.7	43.2	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7	43.7
32.7	45.1	45.1	45.6	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.1	46.1
35.7	50.4	50.5	51.2	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.8	51.8
39.8	54.4	54.6	55.3	55.5	55.5	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.8	55.9	55.9	55.9
40.2	55.2	55.4	56.1	56.3	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.7	56.7	56.7
41.1	57.3	57.6	58.4	58.6	58.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0
42.7	60.2	60.5	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	62.0	62.0
44.3	63.3	63.5	64.5	64.7	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.1
46.5	67.7	69.2	70.1	70.4	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.8	70.8
48.4	74.7	75.3	77.1	77.6	77.6	77.6	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.2	78.3	78.3
50.4	78.7	79.5	81.8	82.6	82.6	82.6	83.0	83.0	83.1	83.1	83.1	83.1	83.2	83.3	83.3	83.4
51.1	81.3	82.5	85.1	86.0	86.0	86.0	86.4	86.6	86.6	86.8	86.8	86.8	86.8	86.9	87.0	87.0
51.8	82.5	83.8	86.7	87.7	87.8	88.3	88.5	88.5	88.7	88.7	88.7	88.7	88.8	88.9	88.9	89.0
53.4	83.5	85.2	88.8	90.3	90.5	91.2	91.6	91.6	91.6	91.9	91.9	91.9	91.9	92.1	92.1	92.1
53.6	84.4	85.7	89.8	91.7	92.0	93.0	93.5	93.6	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.2
53.7	84.6	86.1	90.7	92.8	93.1	94.3	95.1	95.2	95.6	95.6	95.7	95.7	95.7	95.9	95.9	95.9
55.7	84.6	86.1	90.9	93.0	93.4	94.8	95.7	95.8	96.2	96.3	96.3	96.4	96.5	96.5	96.6	96.6
56.7	84.6	86.2	91.1	92.2	93.5	95.1	96.2	96.3	96.8	96.8	96.9	97.7	97.1	97.1	97.2	97.2
58.8	84.9	86.5	91.5	93.8	94.2	95.9	97.1	97.2	97.7	97.8	98.0	98.0	98.2	98.2	98.2	98.2
58.8	84.9	86.5	91.6	93.9	94.3	96.1	97.4	97.6	98.3	98.4	98.6	98.6	98.8	98.8	98.8	98.8
58.8	85.0	86.5	91.6	93.9	94.3	96.2	97.7	97.8	98.7	98.9	99.1	99.2	99.2	99.3	99.4	99.4
58.8	85.0	86.5	91.6	93.9	94.3	96.3	97.7	97.9	98.9	99.0	99.2	99.2	99.4	99.5	99.5	99.5
58.8	85.0	86.5	91.6	93.9	94.3	96.3	97.8	97.9	99.0	99.1	99.4	99.4	99.5	99.7	99.9	99.9
58.8	85.0	86.5	91.6	93.9	94.3	96.3	97.8	97.9	99.0	99.1	99.4	99.4	99.5	99.7	99.9	99.9
58.8	85.0	86.5	91.6	93.9	94.3	96.3	97.8	97.9	99.0	99.1	99.4	99.4	99.5	99.7	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 7616

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 710 COL A J D BAKER AAF DL

73-72,60-52

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

422-2222

CEILING FEET	VISIBILITY, STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	34.1	41.3	41.5	41.9	42.1	42.1	42.1	42.3	42.3	42.3	42.3	42.4	42.6	42.9	42.9	42.9
18000	37.8	46.3	46.4	47.2	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.7	47.8	48.2	48.2	48.2
16000	38.3	47.4	47.5	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.8	49.0	49.3	49.3	49.3
14000	38.3	47.4	47.5	48.5	48.6	48.6	48.6	48.8	48.8	48.8	48.8	49.0	49.1	49.4	49.4	49.4
12000	38.3	47.4	47.5	48.5	48.6	48.6	48.6	48.8	48.8	48.8	48.8	49.0	49.1	49.4	49.4	49.4
10000	38.3	47.4	47.5	48.5	48.6	48.6	48.6	48.8	48.8	48.8	48.8	49.0	49.1	49.4	49.4	49.4
8000	39.7	49.1	49.3	50.4	50.6	50.6	50.6	50.7	50.7	50.9	50.9	51.0	51.2	51.5	51.5	51.5
6000	42.9	53.7	53.7	55.0	55.2	55.2	55.2	55.5	55.5	55.7	55.7	55.8	56.0	56.5	56.5	56.5
4000	45.6	57.4	57.6	58.7	58.9	58.9	58.9	59.2	59.2	59.3	59.3	59.5	59.6	60.1	60.1	60.1
2000	45.7	57.7	57.9	59.5	59.6	59.6	59.6	60.0	60.0	60.1	60.1	60.3	60.4	60.9	60.9	60.9
1000	46.7	59.0	59.3	61.4	61.7	61.7	61.7	62.0	62.0	62.2	62.2	62.4	62.5	63.2	63.2	63.2
500	46.0	60.4	60.8	63.0	63.3	63.3	63.3	63.6	63.6	63.8	63.8	64.0	64.1	64.6	64.6	64.6
250	46.6	66.4	66.8	69.2	69.5	69.5	69.5	69.9	69.9	70.0	70.0	70.2	70.3	70.8	70.8	70.8
100	56.3	69.4	69.9	72.7	73.2	73.2	73.2	73.5	73.5	73.7	73.7	73.8	74.0	74.5	74.5	74.5
50	59.5	74.3	74.9	78.3	78.8	79.1	79.1	79.4	79.4	79.5	79.5	79.7	79.9	80.4	80.4	80.4
25	61.2	77.5	78.1	81.8	82.8	83.1	83.1	83.4	83.4	83.6	83.6	83.7	83.9	84.4	84.4	84.4
10	62.8	80.1	80.5	85.5	86.4	86.8	86.9	87.4	87.4	87.6	87.6	87.7	87.9	88.4	88.4	88.4
5	63.1	80.9	81.3	86.8	87.7	88.0	88.2	88.7	88.7	88.8	88.8	89.0	89.2	89.6	89.6	89.6
2	64.1	83.1	83.7	90.0	91.9	92.3	92.7	93.1	93.1	93.3	93.3	93.5	93.6	94.1	94.1	94.1
1	64.4	83.6	84.3	91.4	92.7	93.1	93.5	94.1	94.1	94.3	94.3	94.4	94.6	95.1	95.1	95.1
0.5	64.6	84.4	85.0	91.5	93.8	94.4	95.4	96.2	96.2	96.3	96.3	96.5	96.7	97.1	97.1	97.1
0.25	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.0	97.0	97.1	97.1	97.3	97.4	97.9	97.9	97.9
0.1	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.4	97.4	97.6	97.6	97.8	97.9	98.4	98.4	98.4
0.05	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.4	97.4	97.6	97.6	97.8	97.8	98.1	98.1	98.1
0.025	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.6	97.6	97.8	97.8	98.0	98.1	98.6	98.6	98.6
0.01	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.005	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.0025	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.001	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.0005	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.00025	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.0001	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.00005	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.000025	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9
0.00001	64.6	84.4	85.0	91.7	94.4	95.1	96.2	97.8	97.8	98.1	98.1	98.3	98.4	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 627

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5715 CCL A J 80 BAKER AAF DL

73-79,60-52

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100

CEILING FEET	VISIBILITY, STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
21000	33.7	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
20000	36.7	49.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
18000	37.1	49.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
16000	37.0	49.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
14000	37.2	50.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
12000	37.2	50.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
10000	38.3	51.5	52.1	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
9000	38.8	52.5	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
8000	41.3	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
7000	44.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6000	44.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
5000	46.1	61.5	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
4500	47.4	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
4000	51.0	67.6	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
3500	54.3	71.5	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
3000	55.1	77.8	78.6	78.8	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2500	60.0	81.9	83.1	84.2	85.0	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2000	61.2	83.4	84.5	86.2	87.0	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
1800	61.3	83.9	85.0	86.8	87.8	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
1600	62.9	87.5	88.7	91.3	92.6	93.8	94.1	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1400	62.8	88.0	89.1	91.6	93.6	94.7	95.1	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1200	63.2	88.5	89.6	92.4	94.2	95.7	96.7	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1000	63.2	89.1	90.3	93.3	95.1	96.5	97.9	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
900	63.2	89.1	90.3	93.3	95.1	96.5	97.9	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0
800	63.2	89.1	90.3	93.3	95.1	96.5	97.9	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	63.2	89.1	90.3	93.3	95.1	96.5	97.9	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
600	63.2	89.1	90.3	93.3	95.1	96.5	97.9	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	63.2	89.1	90.3	93.3	95.4	96.9	98.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	63.2	89.1	90.3	93.3	95.4	96.9	98.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	63.2	89.1	90.3	93.3	95.4	96.9	98.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	63.2	89.1	90.3	93.3	95.4	96.9	98.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	63.2	89.1	90.3	93.3	95.4	96.9	98.2	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 60F

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 14710 COL A J H BAKER AAF DL

73-79, 50-52

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

100-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO REPORT	30.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥2000	53.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥1800	33.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥1600	33.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥1400	33.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥1200	34.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥1000	35.1	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥800	36.0	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥600	40.1	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥400	41.5	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥200	42.0	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥100	43.1	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥50	44.6	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥25	48.0	64.9	64.9	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥12	54.5	72.4	72.4	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥6	60.3	81.9	81.9	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥3	61.9	84.9	84.9	86.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥1	62.6	85.9	86.3	88.8	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥0.5	63.4	87.2	87.5	90.2	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥0.25	64.9	89.1	89.7	93.3	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥0.1	65.1	89.5	89.8	94.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥0.05	65.2	89.8	90.2	94.6	96.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥0.025	65.3	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.01	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.005	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.0025	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.001	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.0005	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.00025	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.0001	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.00005	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.000025	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0.00001	65.2	90.0	90.3	94.9	97.0	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 569

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0710 CCL A J 60 BAKER AAF DL

73-73,P1-62

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1992-12-22

CEILING (FEET)	VISIBILITY STATISTICAL															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO. CEILING	28.7	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
20000	34.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
18000	34.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
16000	34.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
14000	34.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
12000	34.3	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
10000	35.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
9000	37.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
8000	40.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
7000	42.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
6000	43.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
5000	43.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
4500	45.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
4000	43.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
3500	54.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
3000	60.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2500	61.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
2000	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
1800	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
1600	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
1400	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
1200	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
1000	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
900	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
800	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
700	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
600	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
500	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
400	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
300	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
200	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
100	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
0	62.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 230

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710
STATION

COL A J 30 BAKER AAF DL
STATION NAME

73-79,60-82
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
PERIOD

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
≥20000	31.4	41.2	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥18000	35.4	46.2	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥16000	35.9	46.8	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥14000	35.9	46.8	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥12000	35.9	46.8	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥10000	36.3	47.0	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥8000	36.3	48.4	48.6	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥6000	37.7	49.5	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥4000	40.9	53.6	53.9	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥2000	43.2	56.6	56.9	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥1000	43.5	57.0	57.3	57.8	57.8	57.8	57.8	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥500	44.6	56.8	59.1	59.8	59.9	59.9	59.9	59.9	60.1	60.1	60.1	60.1	60.2	60.2	60.3	60.3
≥250	45.9	60.3	60.7	61.4	61.4	61.4	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.9	61.9
≥150	49.9	65.8	66.2	67.0	67.1	67.1	67.1	67.2	67.4	67.4	67.4	67.4	67.5	67.5	67.6	67.6
≥100	54.5	71.2	71.6	72.6	72.8	72.8	72.8	72.8	73.0	73.0	73.0	73.0	73.1	73.1	73.2	73.2
≥75	59.2	79.0	79.5	81.0	81.5	81.7	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.1	82.2	82.2
≥50	60.9	82.2	82.9	85.2	86.1	86.4	86.4	86.6	86.7	86.8	86.8	86.8	86.8	86.8	87.0	87.0
≥25	62.7	83.8	84.6	88.1	89.2	89.6	89.6	90.0	90.2	90.2	90.2	90.2	90.3	90.3	90.4	90.4
≥15	62.5	84.7	85.6	89.4	90.5	91.1	91.2	91.4	91.6	91.6	91.6	91.6	91.7	91.7	91.8	91.8
≥10	63.4	86.8	87.8	92.3	93.8	94.5	94.7	95.1	95.2	95.3	95.3	95.4	95.4	95.5	95.5	95.5
≥7.5	63.6	87.1	88.1	92.7	94.5	95.2	95.4	95.8	96.0	96.2	96.2	96.2	96.3	96.4	96.4	96.4
≥5	63.7	87.5	88.5	93.4	95.2	96.1	96.6	97.1	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.7
≥2.5	63.7	87.7	88.7	93.7	95.7	96.6	97.2	97.7	97.9	98.1	98.1	98.2	98.2	98.3	98.3	98.3
≥1.5	63.7	87.7	88.7	93.7	95.7	96.6	97.2	97.9	98.1	98.3	98.3	98.3	98.3	98.4	98.5	98.5
≥1	63.7	87.7	88.7	93.7	95.7	96.6	97.2	98.0	98.3	98.5	98.5	98.5	98.5	98.7	98.7	98.7
≥0.5	63.7	87.7	88.7	93.7	95.7	96.6	97.3	98.3	98.6	98.8	98.8	98.8	98.8	98.9	99.0	99.0
≥0.25	63.7	87.7	88.7	93.7	95.7	96.6	97.6	98.5	99.0	99.5	99.5	99.6	99.6	99.7	99.8	99.8
≥0.15	63.7	87.7	88.7	93.7	95.8	96.8	97.7	98.7	99.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0
≥0.1	63.7	87.7	88.7	93.7	95.8	96.8	97.7	98.7	99.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0
≥0.05	63.7	87.7	88.7	93.7	95.8	96.8	97.7	98.7	99.2	99.7	99.7	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2471

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-78,80-82
YEAR

JUL
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO. CEILING 2 2000	33.1	36.6	39.1	41.1	43.2	45.5	47.8	49.8	51.6	53.1	54.4	55.6	56.7	57.7	58.6	59.4
2 1800	37.8	43.3	44.3	45.3	45.5	45.5	46.0	46.3	46.1	46.5	46.5	46.8	46.8	46.8	46.8	46.8
2 1600	38.4	44.5	45.0	46.0	46.1	46.1	46.6	46.6	46.8	47.1	47.1	47.5	47.5	47.5	47.5	47.5
2 1400	38.4	44.5	45.0	46.0	46.1	46.1	46.6	46.6	46.8	47.1	47.1	47.5	47.5	47.5	47.5	47.5
2 1200	38.4	44.5	45.0	46.0	46.1	46.1	46.6	46.6	46.8	47.1	47.1	47.5	47.5	47.5	47.5	47.5
2 1000	38.9	45.6	46.1	47.1	47.3	47.3	47.8	47.8	47.9	48.3	48.3	48.6	48.6	48.6	48.6	48.6
2 800	40.7	48.6	49.1	50.1	50.2	50.2	50.7	50.7	50.9	51.2	51.2	51.6	51.6	51.6	51.6	51.6
2 600	45.6	54.7	55.2	56.2	56.3	56.3	56.8	56.8	57.0	57.3	57.3	57.6	57.6	57.6	57.6	57.6
2 400	47.6	57.0	57.5	58.6	58.8	58.8	59.3	59.3	59.4	59.8	59.8	60.1	60.1	60.1	60.1	60.3
2 200	47.7	57.8	58.3	59.4	59.6	59.6	60.1	60.1	60.3	60.6	60.6	60.9	60.9	60.9	60.9	61.1
2 1000	51.1	61.7	62.2	63.9	64.0	64.0	64.5	64.5	64.7	65.0	65.0	65.4	65.4	65.4	65.4	65.6
2 4500	63.2	63.9	64.4	66.0	66.2	66.2	66.7	66.7	66.8	67.2	67.2	67.5	67.5	67.5	67.5	67.7
2 4000	57.3	66.8	69.3	71.4	71.6	71.6	72.4	72.4	72.6	72.9	72.9	73.2	73.2	73.2	73.2	73.4
2 3500	60.3	73.2	73.7	75.9	76.0	76.0	76.8	76.8	77.0	77.3	77.3	77.8	77.8	77.8	77.8	78.0
2 3000	63.4	77.3	77.7	80.0	80.1	80.1	81.0	81.0	81.1	81.4	81.4	81.9	81.9	81.9	81.9	82.1
2 2500	64.4	79.0	80.0	82.6	82.8	82.8	83.6	83.6	83.7	84.1	84.1	84.6	84.6	84.6	84.6	84.7
2 2000	65.3	81.1	82.1	85.1	85.2	85.4	86.2	86.2	86.4	86.9	86.9	87.7	87.7	87.7	87.7	87.8
2 1800	66.7	82.4	83.4	86.5	86.9	87.0	88.2	88.2	88.3	88.8	88.8	89.7	89.7	89.7	89.7	89.6
2 1600	66.8	84.7	85.7	89.5	89.8	90.5	92.0	92.3	92.4	92.9	92.9	93.8	93.8	93.8	93.8	93.9
2 1400	69.0	84.9	85.9	90.6	91.0	91.6	93.1	93.4	93.6	94.1	94.1	94.9	94.9	94.9	94.9	95.1
2 1200	69.1	85.4	86.4	91.5	92.0	92.6	94.4	95.1	95.2	96.4	96.4	97.2	97.2	97.2	97.2	97.4
2 1000	69.1	85.4	86.4	91.5	92.0	92.6	94.4	95.1	95.2	96.4	96.4	97.2	97.2	97.2	97.2	97.4
2 800	69.1	85.4	86.4	91.5	92.0	92.6	94.4	95.2	95.4	97.0	97.0	97.9	97.9	97.9	97.9	98.0
2 600	69.1	85.4	86.4	91.5	92.1	92.9	94.9	95.7	95.9	97.7	97.7	98.5	98.5	98.5	98.5	98.7
2 400	69.1	85.4	86.4	91.5	92.3	93.1	95.2	96.6	97.0	98.9	98.9	99.7	99.7	99.7	99.7	99.8
2 200	69.1	85.4	86.4	91.5	92.3	93.1	95.4	96.7	97.2	99.0	99.0	99.8	99.8	99.8	99.8	99.9
2 1000	69.1	85.4	86.4	91.5	92.3	93.1	95.4	96.7	97.2	99.0	99.0	99.8	99.8	99.8	99.8	99.9
2 400	69.1	85.4	86.4	91.5	92.3	93.1	95.4	96.7	97.2	99.0	99.0	99.8	99.8	99.8	99.8	99.9
2 300	69.1	85.4	86.4	91.5	92.3	93.1	95.4	96.7	97.2	99.0	99.0	99.8	99.8	99.8	99.8	99.9
2 200	69.1	85.4	86.4	91.5	92.3	93.1	95.4	96.7	97.2	99.0	99.0	99.8	99.8	99.8	99.8	99.9
2 100	69.1	85.4	86.4	91.5	92.3	93.1	95.4	96.7	97.2	99.0	99.0	99.8	99.8	99.8	99.8	99.9
2 000	69.1	85.4	86.4	91.5	92.3	93.1	95.4	96.7	97.2	99.0	99.0	99.8	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 620

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

1 710 CPL A J BO BAKER AAF DL

73-79,50-60

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
100	31.7	41.7	41.4	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
200	30.1	40.5	47.3	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
300	36.3	46.7	47.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
400	36.3	46.7	47.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
500	36.3	46.7	47.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
600	36.4	47.1	47.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
700	37.5	48.5	49.3	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
800	38.6	51.5	52.2	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
900	41.1	55.7	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
1000	45.5	59.7	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
1100	45.4	59.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
1200	46.1	62.3	63.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
1300	47.6	63.7	64.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
1400	50.4	67.2	68.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
1500	57.1	75.3	76.7	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
1600	59.1	79.5	80.4	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
1700	82.6	82.8	84.2	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
1800	84.1	85.7	87.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
1900	84.5	86.6	88.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
2000	85.2	87.9	89.9	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
2100	85.4	88.5	91.5	94.5	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
2200	85.4	88.5	91.5	95.4	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2300	85.4	88.5	90.5	95.4	96.3	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
2400	85.4	88.5	90.5	95.4	96.7	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2500	85.4	88.5	90.5	95.4	96.7	96.9	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
2600	85.4	88.5	90.5	95.4	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2700	85.4	89.0	91.1	96.0	97.4	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2800	85.4	89.0	91.1	96.0	97.4	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2900	85.4	89.0	91.1	96.0	97.4	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3000	85.4	89.0	91.1	96.0	97.4	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 546

OFFICIAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 1710 01L A 3 30 3400 AAF DL
STATION NAME

73-74, 80-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1900-1999

CEILING FEET	VISIBILITY - STATUTE MILES															
	> 10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	> 200
1000	33.0	41.5	41.5	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
900	34.6	47.8	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
800	37.8	48.0	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
700	38.8	48.0	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
600	38.8	48.0	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
500	38.8	48.0	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
400	38.8	48.0	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
300	38.8	48.0	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
200	38.8	48.0	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
100	38.8	48.0	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
0	41.0	53.2	53.5	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
9000	46.6	60.9	61.2	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
8000	48.7	64.5	64.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
7000	48.7	64.7	65.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
6000	48.7	66.9	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
5000	50.7	68.9	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
4000	4.0	73.5	73.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
3000	58.5	79.7	80.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
2000	57.8	83.2	83.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
1000	62.1	84.6	85.4	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
0	63.0	86.9	87.4	91.2	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
9000	63.7	88.1	88.9	93.2	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
8000	64.3	88.7	89.9	94.9	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
7000	64.3	88.7	89.9	95.3	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
6000	64.3	88.7	90.1	95.5	96.3	96.5	97.3	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2
5000	64.3	88.7	90.1	95.5	96.3	96.5	97.3	97.5	97.5	97.5	98.2	98.2	98.2	98.2	98.2	98.2
4000	64.3	88.7	90.3	95.7	97.1	97.3	98.2	98.4	98.4	98.4	99.6	99.6	99.6	99.6	99.6	99.6
3000	64.3	88.7	90.3	95.9	97.3	97.5	98.4	98.6	98.6	98.6	99.6	99.6	99.6	99.6	99.6	99.6
2000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
1000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
0	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
9000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
8000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
7000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
6000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
5000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
4000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
3000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
2000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
1000	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0
0	64.3	88.9	90.6	96.1	97.5	97.7	98.6	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 497

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 717

COL A J 30 PAKER AAF DL

73-72,82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	31.7	30.2	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
12000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
10000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
8000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
6000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
4000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
3000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
2000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
1800	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
1600	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
1400	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
1200	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
1000	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
800	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
600	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
400	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
300	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
200	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
100	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
50	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
25	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
10	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
0	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6

TOTAL NUMBER OF OBSERVATIONS 254

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710 COL A J BO BAKER AAF DL

73-7P, 60-67

40

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY, STATUTE MILES															
	30	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	34.1	41.1	41.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
20000	37.7	45.5	45.7	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
18000	35.0	46.3	46.4	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
16000	35.1	46.3	46.4	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
14000	35.2	46.4	46.6	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
12000	35.4	47.0	47.2	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
10000	39.1	47.9	48.1	49.5	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
9000	41.1	50.6	50.8	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
8000	45.7	50.1	56.3	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
7000	46.8	57.8	58.1	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6000	47.1	58.0	58.1	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
5000	48.3	59.6	59.8	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
4500	49.0	60.7	60.9	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
4000	50.6	62.7	62.1	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
3500	55.1	68.2	68.4	70.6	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
3000	59.6	73.1	73.5	77.0	77.7	77.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
2500	64.9	79.5	80.3	84.1	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2000	66.0	80.5	81.7	86.5	87.4	87.4	87.4	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
1800	66.7	81.7	82.1	88.3	89.2	89.2	89.2	89.6	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.3
1600	67.5	83.4	84.6	91.4	92.7	92.7	93.2	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1400	67.5	83.7	85.1	92.3	94.0	94.0	94.5	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
1200	67.6	84.1	85.4	93.1	94.9	95.2	96.3	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1000	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
900	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
800	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
700	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
600	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
500	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
400	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
300	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
200	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
100	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0	67.6	84.1	85.4	93.1	95.2	95.6	96.7	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 547

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
 SAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710 COL A J ED BAKER AAF DL

73-78,80-82

400

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
2000	26.9	35.0	36.7	38.2	36.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
1800	29.9	39.9	40.1	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
1600	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
1400	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
1200	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
1000	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
800	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
600	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
400	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
200	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
100	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
50	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
25	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
12	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
6	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
3	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
1	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
0	30.7	40.7	40.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1

TOTAL NUMBER OF OBSERVATIONS 459

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAG

CEILING VERSUS VISIBILITY

1-710 COL A J BO BAKER AAF DL

73-72,51-82

80

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1-710-0000

CEILING FEET	VISIBILITY STATISTICAL VALUES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
2000	27.9	36.1	35.1	37.2	35.1	36.1	36.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
1800	33.2	42.5	42.6	44.5	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
1600	33.1	42.9	43.3	45.3	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
1400	33.1	42.9	43.3	45.3	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
1200	33.1	42.9	43.3	45.3	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
1000	34.1	43.3	43.7	45.7	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
800	34.1	44.5	44.7	47.0	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
600	35.2	45.7	46.2	48.6	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
400	36.9	50.6	51.0	53.4	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
200	41.7	53.8	54.3	57.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
100	41.7	53.8	54.3	57.1	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
50	43.7	55.9	56.3	59.1	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
25	44.7	57.1	57.5	60.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
10	47.8	60.7	61.1	64.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
5	53.4	66.4	67.2	71.9	72.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
2	61.9	76.5	78.1	82.6	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
1	64.7	79.4	81.1	86.2	86.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
0.5	64.4	79.8	81.4	87.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
0.25	64.4	80.8	82.6	87.9	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
0.1	65.2	81.4	83.4	89.5	93.5	93.9	93.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
0.05	65.2	81.4	83.4	89.9	93.9	94.3	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
0.025	65.6	82.2	84.2	90.7	94.7	95.1	95.1	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
0.01	65.6	82.2	84.2	91.5	95.5	96.0	96.0	98.0	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0.005	65.6	82.2	84.2	91.5	95.5	96.0	96.0	98.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0.0025	65.6	82.2	84.2	91.5	95.5	96.0	96.4	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.001	65.6	82.2	84.2	91.5	95.5	96.0	96.4	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0005	65.6	82.2	84.2	91.5	95.5	96.0	96.4	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00025	65.6	82.2	84.2	91.5	95.5	96.0	96.4	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0001	65.6	82.2	84.2	91.5	95.5	96.0	96.4	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00005	65.6	82.2	84.2	91.5	95.5	96.0	96.4	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.000025	65.6	82.2	84.2	91.5	95.5	96.0	96.4	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00001	65.6	82.2	84.2	91.5	95.5	96.0	96.4	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 247

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0710 COL A J ED BAKER AAF DL

73-78,83-82

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	37.4	34.3	32.6	40.7	41.2	41.2	41.4	41.5	41.5	41.6	41.7	41.7	41.7	41.9	41.9	42.0
18000	34.3	43.8	44.2	45.6	46.1	46.1	46.3	46.4	46.5	46.5	46.6	46.6	46.6	46.8	46.8	46.9
16000	34.3	44.5	44.7	46.3	46.5	46.6	47.0	47.1	47.2	47.2	47.3	47.3	47.3	47.5	47.5	47.6
14000	34.3	44.5	44.7	46.3	46.6	46.6	47.0	47.1	47.2	47.2	47.3	47.3	47.3	47.5	47.5	47.6
12000	34.3	44.5	44.7	46.4	46.9	46.9	47.1	47.2	47.2	47.3	47.4	47.4	47.4	47.6	47.6	47.6
10000	35.2	45.1	45.5	46.9	47.4	47.4	47.6	47.7	47.8	47.9	47.9	47.9	47.9	48.1	48.1	48.2
8000	36.4	46.6	47.1	48.4	49.0	49.0	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.7	49.7
6000	37.7	46.6	49.1	50.6	51.2	51.2	51.4	51.5	51.5	51.6	51.7	51.7	51.7	51.9	51.9	51.9
4000	41.2	52.7	53.1	54.7	55.3	55.3	55.5	55.6	55.6	55.8	55.8	55.8	55.8	56.0	56.0	56.1
2000	43.3	55.3	55.7	57.5	58.0	58.0	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.6	58.8	58.8
1000	43.4	55.5	55.9	57.6	58.3	58.3	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.9	59.1	59.1
500	45.1	57.4	57.9	59.8	61.3	60.3	60.5	60.7	60.7	60.8	60.9	60.9	60.9	61.1	61.1	61.2
250	46.3	58.8	59.7	61.2	61.6	61.9	62.1	62.2	62.3	62.4	62.4	62.4	62.4	62.5	62.7	62.7
100	48.5	61.4	61.9	64.3	65.0	65.0	65.2	65.3	65.4	65.5	65.5	65.5	65.5	65.6	65.8	65.8
50	52.4	66.1	66.5	69.2	70.0	70.0	70.2	70.3	70.4	70.5	70.5	70.5	70.5	70.6	70.8	70.8
25	56.7	71.7	72.4	75.9	76.8	76.8	77.0	77.4	77.4	77.6	77.6	77.6	77.6	77.7	77.9	77.9
10	59.4	76.5	77.7	81.2	82.2	82.3	82.5	82.8	82.8	83.0	83.1	83.1	83.1	83.3	83.3	83.3
5	61.6	78.2	79.3	84.1	85.6	85.6	86.0	86.4	86.5	86.9	86.9	86.9	86.9	87.1	87.1	87.2
2	62.1	79.2	80.4	85.8	87.3	87.4	87.8	88.2	88.3	88.7	88.8	88.8	88.8	88.8	89.0	89.1
1	62.8	80.5	81.8	87.9	90.0	90.1	90.8	91.3	91.4	91.8	91.9	91.9	91.9	91.9	92.1	92.2
0.5	63.7	80.8	82.2	88.6	91.1	91.3	92.0	92.5	92.7	93.1	93.2	93.2	93.2	93.5	93.5	93.5
0.25	63.3	81.2	82.5	89.2	91.8	92.2	93.1	94.2	94.4	95.3	95.3	95.3	95.3	95.4	95.6	95.6
0.1	63.3	81.2	82.5	89.3	92.1	92.6	93.6	94.8	95.0	96.0	96.1	96.1	96.1	96.3	96.3	96.4
0.05	63.4	81.3	82.7	89.6	92.6	93.0	94.1	95.5	95.7	96.8	96.9	96.9	96.9	97.0	97.2	97.2
0.025	63.4	81.3	82.7	89.9	93.0	93.4	94.7	96.2	96.4	97.6	97.7	97.7	97.7	97.8	98.0	98.1
0.01	63.4	81.3	82.7	90.0	93.2	93.7	95.1	96.6	96.8	98.0	98.1	98.2	98.3	98.5	98.5	98.6
0.005	63.4	81.3	82.7	90.2	93.4	93.9	95.3	97.1	97.3	98.7	98.8	98.9	99.0	99.3	99.3	99.3
0.0025	63.4	81.4	82.9	90.2	93.4	93.9	95.3	97.2	97.4	98.8	98.9	99.0	99.1	99.4	99.4	99.4
0.001	63.4	81.4	82.9	90.2	93.4	93.9	95.3	97.2	97.5	98.9	99.0	99.1	99.1	99.5	99.7	99.8
0.0005	63.4	81.4	82.9	90.2	93.4	93.9	95.3	97.2	97.5	98.9	99.0	99.1	99.1	99.6	99.8	99.9
0.00025	63.4	81.4	82.9	90.3	93.5	94.0	95.4	97.3	97.5	98.9	99.0	99.1	99.2	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2443

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710 COL A J BO BAKER AAF DL

73-78, PD-62

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2600

CEILING FEET	VISIBILITY STATUTE MILES															
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0
1000	27.1	32.4	32.4	33.9	34.1	34.1	34.7	35.4	35.4	35.9	36.5	36.7	37.2	38.4	35.9	39.7
900	30.5	36.4	36.4	37.9	38.2	38.2	38.9	39.5	39.5	40.0	40.7	40.9	41.4	43.7	43.5	44.4
800	31.1	37.4	37.4	38.9	39.2	39.2	39.9	40.5	40.5	41.0	41.7	41.9	42.4	44.7	44.5	45.3
700	31.5	37.4	37.4	38.9	39.2	39.2	39.9	40.5	40.5	41.0	41.7	41.9	42.4	44.7	44.5	45.3
600	31.6	37.4	37.4	38.9	39.2	39.2	39.9	40.5	40.5	41.0	41.7	41.9	42.4	44.7	44.5	45.3
500	31.7	37.9	37.4	39.4	39.7	39.7	40.4	41.0	41.0	41.5	42.2	42.4	42.9	44.5	45.0	45.5
400	33.4	40.0	40.0	42.0	42.4	42.4	43.0	43.7	43.7	44.2	44.7	45.0	45.5	47.2	47.7	48.7
300	34.4	40.7	40.7	42.9	43.2	43.2	43.9	44.5	44.5	45.0	45.8	46.0	46.5	48.2	48.7	49.7
200	37.4	44.0	44.0	46.2	46.6	46.6	47.5	48.2	48.2	48.7	49.5	49.7	50.2	51.6	52.3	53.3
100	38.9	46.0	46.0	48.3	49.0	49.0	49.7	50.3	50.3	50.5	51.7	51.8	52.3	54.7	54.6	55.8
50	39.0	46.2	46.2	48.5	49.2	49.2	49.8	50.5	50.5	51.0	51.8	52.0	52.5	54.2	55.0	56.0
0	41.4	49.2	49.2	51.5	52.5	52.5	53.5	54.2	54.2	54.8	55.6	56.0	56.6	58.3	59.1	60.1
1000	42.5	50.3	50.3	53.0	53.7	53.7	54.7	55.3	55.3	56.0	56.8	57.1	57.8	59.6	60.5	61.5
900	45.5	54.2	54.2	57.0	57.8	57.8	59.0	59.6	59.6	60.3	61.1	61.5	62.1	64.7	64.9	65.8
800	48.3	57.3	57.3	60.3	61.1	61.1	62.5	63.1	63.1	63.6	64.5	65.0	65.6	67.4	68.3	69.3
700	52.2	63.5	63.5	66.6	67.8	67.8	69.1	69.5	69.9	70.9	71.8	72.1	73.3	75.1	75.9	76.9
600	53.2	65.4	65.6	69.4	70.9	71.1	72.4	73.1	73.3	74.3	75.1	75.6	76.7	78.6	79.9	80.9
500	56.3	69.3	69.6	74.4	76.4	76.6	77.9	78.6	78.7	79.7	80.6	81.1	82.2	84.1	85.4	86.4
400	57.5	71.3	71.6	76.4	78.4	78.6	79.9	80.6	80.7	81.7	82.6	83.1	84.2	86.7	87.4	88.4
300	59.3	72.3	72.6	79.2	80.7	80.9	82.7	83.6	83.7	84.7	85.5	86.0	87.2	89.7	90.4	91.4
200	59.3	72.3	72.6	79.2	81.2	81.6	83.9	84.7	84.9	86.0	86.9	87.4	88.5	90.4	91.7	92.7
100	59.3	72.3	72.6	79.2	82.2	82.7	85.4	86.2	86.4	87.7	88.7	89.2	90.4	92.2	93.5	94.5
50	58.3	72.3	72.6	79.2	82.4	82.9	85.9	86.9	87.0	88.5	89.5	90.0	91.2	93.7	94.4	95.3
0	58.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.5	90.5	91.0	92.2	94.2	95.5	96.5
1000	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
900	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
800	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
700	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
600	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
500	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
400	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
300	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
200	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
100	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3
0	56.3	72.4	72.9	79.7	83.2	83.7	86.7	87.7	87.9	89.9	91.0	91.5	93.7	95.7	96.3	97.3

TOTAL NUMBER OF OBSERVATIONS 602

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0710
STATION

01L A J 30 BAKER AAF DL
STATION NAME

73-75,80-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	32.3	41.1	41.5	43.8	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 2000	37.4	46.1	46.5	49.7	50.3	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 1800	37.9	46.6	47.1	50.2	50.8	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1600	37.9	46.6	47.1	50.2	50.8	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1400	37.9	46.6	47.1	50.2	50.8	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 1200	38.2	47.3	47.8	50.8	51.5	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 1000	39.1	48.1	48.7	52.0	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 900	39.7	49.0	49.5	52.9	53.5	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 800	44.5	54.5	55.1	59.1	59.8	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 700	45.6	56.1	56.1	60.6	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 600	45.3	56.4	56.9	61.9	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 500	47.9	58.9	59.4	63.8	64.5	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 400	48.7	59.9	60.4	64.8	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 300	52.4	64.8	65.3	69.7	70.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 200	55.2	68.4	69.2	73.0	74.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 100	56.1	71.2	72.4	76.9	77.9	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 50	58.2	73.4	75.6	80.8	81.8	82.0	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 25	59.3	76.3	78.6	85.5	87.2	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 15	60.1	77.1	79.6	86.9	88.6	88.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 10	60.3	77.4	80.1	88.9	90.7	90.9	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 5	60.3	77.6	80.3	89.6	91.6	91.8	92.6	92.9	93.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2.5	60.4	78.3	81.1	91.4	93.6	93.8	94.9	95.5	95.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1.5	60.4	78.3	81.1	91.4	93.6	93.8	94.9	95.5	95.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1	60.4	78.3	81.1	91.9	94.1	94.3	95.5	96.5	96.8	98.7	98.8	98.8	98.8	96.5	98.9	98.8
≥ .75	60.4	78.3	81.1	91.9	94.1	94.3	95.5	96.8	97.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ .5	60.4	78.3	81.1	91.9	94.1	94.3	95.5	96.8	97.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ .25	60.4	78.3	81.1	91.9	94.1	94.3	95.5	96.8	97.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ .1	60.4	78.3	81.1	91.9	94.1	94.3	95.5	96.8	97.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ .05	60.4	78.3	81.1	91.9	94.1	94.3	95.5	96.8	97.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ .01	60.4	78.3	81.1	91.9	94.1	94.3	95.5	96.8	97.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	60.4	78.3	81.1	91.9	94.1	94.3	95.5	96.8	97.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 594

JOINT MILITARY CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710

COL A J BO BAKER AAF DL

73-79,80-82

SEE

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1220-1420

CEILING FEET	VISIBILITY - STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	34.2	42.8	47.1	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
20000	37.7	50.1	57.3	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
18000	37.7	50.1	50.3	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
16000	37.7	50.1	50.3	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
14000	37.9	50.3	57.5	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
12000	38.3	50.4	51.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
10000	40.4	53.7	53.9	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
8000	41.3	55.0	55.2	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
6000	45.9	59.9	60.1	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
4000	46.6	61.5	61.7	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
2000	47.7	61.9	62.1	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
1000	48.5	63.4	63.6	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
500	49.6	64.3	64.5	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
200	51.7	68.5	68.7	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
100	55.2	72.7	72.9	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
50	58.5	76.7	76.9	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
25	57.9	79.1	79.8	83.4	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
15	51.9	82.3	83.2	87.8	88.0	88.0	88.3	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7
10	63.1	83.6	84.5	89.3	89.4	89.4	89.8	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2
5	63.9	84.3	85.2	91.8	93.1	93.1	93.8	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2
2	64.1	84.7	85.6	92.3	93.8	93.8	94.5	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
1	64.7	85.4	86.5	93.6	95.1	95.1	96.4	96.5	96.7	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0.5	64.7	85.4	86.7	93.8	95.4	95.4	96.9	97.3	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0.2	64.3	85.6	87.1	94.2	95.8	95.8	97.4	98.0	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.1	64.8	85.6	87.1	94.2	95.8	95.8	97.4	98.0	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0.05	64.8	85.6	87.1	94.2	95.8	96.0	97.6	98.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.02	64.8	85.6	87.1	94.2	95.8	96.0	97.6	98.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.01	64.8	85.6	87.1	94.2	95.8	96.0	97.6	98.4	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 549

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 9710
STATION

COL A J 80 BAKER AAF DL
STATION NAME

73-75,91-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	31.6	41.1	42.7	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥20000	37.4	50.9	51.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥18000	37.7	51.3	52.4	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥16000	37.7	51.5	52.6	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥14000	38.3	51.9	53.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥12000	38.5	52.6	53.7	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥10000	39.2	53.5	54.5	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥9000	39.8	54.8	55.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥8000	42.2	58.2	59.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥7000	43.9	60.8	61.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥6000	43.9	60.8	61.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥5000	44.2	61.3	62.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥4500	46.1	63.4	64.5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥4000	46.3	66.0	67.1	70.8	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥3500	52.4	70.6	71.5	75.5	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥3000	57.8	77.7	79.0	83.3	83.5	83.5	83.5	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥2500	60.3	81.0	82.3	87.2	87.4	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥2000	61.5	82.9	84.2	90.3	90.5	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥1800	62.3	84.0	85.3	92.4	92.6	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥1500	62.6	84.8	86.4	93.9	94.4	94.4	94.4	94.4	94.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥1200	62.6	85.1	86.8	95.0	95.7	95.7	95.7	95.7	95.7	97.0	97.2	97.4	97.4	97.4	97.4	97.4
≥1000	62.6	85.5	87.2	95.5	96.1	96.1	96.1	96.1	96.1	97.6	97.8	98.1	98.7	98.7	98.7	98.7
≥900	62.6	85.5	87.2	95.5	96.1	96.1	96.1	96.1	96.1	97.6	97.8	98.1	98.3	98.9	98.9	98.9
≥800	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.3	98.5	99.1	99.1	99.1	99.1
≥700	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.3	98.5	99.6	99.6	99.6	99.6
≥600	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.5	98.7	99.8	99.8	99.8	99.8
≥500	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.5	98.7	99.8	99.8	99.8	99.8
≥400	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.5	98.7	99.8	99.8	99.8	99.8
≥300	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.5	98.7	99.8	99.8	99.8	99.8
≥200	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.5	98.7	99.8	99.8	99.8	99.8
≥100	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.5	98.7	99.8	99.8	99.8	99.8
≥	62.8	85.7	87.4	95.7	96.3	96.3	96.3	96.3	96.3	97.8	98.5	98.7	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 462

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4717 COL A J. SO RAKER AAF CL

33-74, 91-52

1952-1953

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1952-1953

CEILING FEET	VISIBILITY STATUTE MILES															
	30	26	24	22	20	18	16	14	12	10	8	6	4	2	1	0
NO. OF OBS.	31.0	41.4	47.6	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
20000	36.0	43.1	49.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
18000	36.0	43.1	49.4	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
16000	36.4	46.5	49.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
14000	36.4	46.5	49.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
12000	36.8	51.2	51.5	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
10000	36.8	50.6	51.2	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
8000	39.2	51.5	52.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
6000	43.1	56.5	57.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
4000	44.3	57.8	59.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
2000	44.3	57.8	59.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
1000	45.1	56.6	59.9	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
500	46.4	59.9	61.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
200	47.7	61.2	62.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
100	53.5	67.1	68.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
50	62.1	78.1	79.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
25	64.1	80.6	82.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
12.5	64.6	81.4	83.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
6.25	64.6	81.4	83.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
3.125	64.6	82.3	84.4	92.8	93.2	93.2	94.1	94.1	94.1	94.9	94.9	94.9	94.9	94.9	94.9	94.9
1.5625	64.6	82.3	84.4	93.7	94.1	94.1	95.4	95.4	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2
0.78125	64.6	82.3	84.4	94.5	94.9	94.9	97.0	97.0	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
0.390625	65.1	82.7	84.8	94.9	95.4	95.4	97.5	97.5	97.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0.1953125	65.4	83.1	85.2	95.4	95.8	95.8	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.09765625	65.4	83.1	85.2	95.4	95.8	95.8	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.048828125	65.4	83.1	85.2	95.4	95.8	95.8	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0244140625	65.4	83.1	85.2	95.4	95.8	95.8	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.01220703125	65.4	83.1	85.2	95.4	95.8	95.8	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.006103515625	65.4	83.1	85.2	95.4	95.8	95.8	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.0030517578125	65.4	83.1	85.2	95.4	95.8	95.8	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.00152587890625	65.4	83.1	85.2	95.4	95.8	95.8	97.9	97.9	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 237

CEILING CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-717 COL A J L BAKER AAF DL
STATION NAME

73-75, FD-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

VISIBILITY FEET	VISIBILITY - STATUTE MILES																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
100	31.4	37.4	38.4	41.7	41.9	41.9	42.1	42.2	42.3	42.4	42.5	42.6	42.7	43.1	47.1	43.3								
200	35.1	40.7	40.2	44.6	44.9	44.9	49.1	49.3	49.3	49.4	49.5	49.6	49.8	50.2	50.3	50.5								
300	36.3	46.2	46.5	49.1	49.3	49.4	49.6	49.8	49.9	49.9	50.0	50.1	50.2	50.3	50.7	50.9								
400	36.3	46.2	46.7	49.1	49.4	49.5	49.7	49.8	49.9	50.0	50.1	50.2	50.3	50.7	50.9	51.0								
500	36.5	46.4	46.5	49.3	49.5	49.6	49.8	50.0	50.1	50.1	50.2	50.3	50.4	50.8	50.9	51.1								
600	36.7	47.1	47.5	50.0	50.2	50.3	50.5	50.7	50.7	50.8	50.9	51.0	51.1	51.5	51.5	51.6								
700	36.1	46.5	49.1	51.6	52.1	52.2	52.4	52.5	52.5	52.7	52.8	52.9	53.0	53.4	53.5	53.6								
800	38.7	49.6	51.1	53.0	53.3	53.3	53.5	53.7	53.7	53.8	54.0	54.1	54.2	54.6	54.7	55.0								
900	42.5	54.1	54.5	57.7	58.1	58.1	58.3	58.5	58.6	58.6	58.8	58.9	59.0	59.4	59.5	59.8								
1000	43.7	55.9	56.4	59.6	60.0	60.0	60.2	60.4	60.4	60.5	60.7	60.8	60.9	61.3	61.5	61.7								
1100	43.7	56.1	56.7	59.8	60.2	60.2	60.4	60.6	60.6	60.7	60.9	61.0	61.1	61.5	61.7	61.9								
1200	45.4	57.9	58.4	61.8	62.2	62.2	62.5	62.7	62.7	62.8	63.1	63.1	63.3	63.7	63.9	64.2								
1300	47.4	59.2	59.7	63.1	63.5	63.5	63.8	64.0	64.0	64.1	64.3	64.4	64.6	65.0	65.2	65.5								
1400	49.3	62.9	63.4	66.9	67.3	67.4	67.7	67.9	67.9	68.1	68.7	68.4	68.5	69.0	69.2	69.4								
1500	52.8	66.9	67.5	71.2	71.7	71.8	72.1	72.3	72.3	72.5	72.7	72.8	73.0	73.4	73.5	73.9								
1600	56.8	72.4	73.0	77.1	77.7	77.8	78.2	78.4	78.5	78.8	79.1	79.1	79.3	79.4	80.0	80.0								
1700	58.3	74.8	76.1	80.5	81.2	81.3	81.8	82.0	82.0	82.4	82.7	82.7	83.0	83.4	83.8	84.0								
1800	60.2	77.7	78.9	84.6	85.6	85.7	86.2	86.5	86.5	87.0	87.2	87.4	87.5	88.1	88.4	88.7								
1900	61.0	78.8	80.2	86.1	87.2	87.2	87.8	88.1	88.2	88.7	88.9	89.0	89.3	89.7	90.1	90.3								
2000	61.4	79.6	81.0	88.3	89.7	89.8	90.9	91.2	91.3	91.9	92.1	92.2	92.5	92.9	93.2	93.5								
2100	61.5	79.7	81.2	88.9	90.5	90.7	92.0	92.3	92.3	93.2	93.4	93.5	93.8	94.2	94.4	94.8								
2200	61.7	80.2	81.3	90.0	91.7	91.9	93.6	94.0	94.0	95.3	95.5	95.6	95.9	96.4	96.7	96.9								
2300	61.7	80.2	81.5	90.0	91.9	92.0	93.9	94.4	94.5	95.7	96.1	96.2	96.4	96.9	97.2	97.5								
2400	61.8	80.3	82.0	90.4	92.3	92.5	94.4	95.1	95.3	96.6	96.9	97.0	97.3	97.8	98.1	98.4								
2500	61.8	80.4	82.1	90.5	92.4	92.6	94.4	95.2	95.5	97.1	97.4	97.5	97.9	98.4	98.7	98.9								
2600	61.8	80.4	82.1	90.5	92.4	92.6	94.4	95.3	95.5	97.1	97.1	97.6	98.0	98.5	98.8	99.1								
2700	61.8	80.4	82.0	90.5	92.4	92.7	94.6	95.4	95.7	97.3	97.7	97.9	98.3	98.9	99.2	99.4								
2800	61.8	80.4	82.0	90.5	92.4	92.7	94.6	95.4	95.7	97.5	98.1	98.2	98.5	99.1	99.5	99.7								
2900	61.8	80.4	82.1	90.5	92.4	92.7	94.6	95.4	95.7	97.5	98.0	98.2	98.6	99.3	99.6	99.9								
3000	61.8	80.4	82.1	90.5	92.4	92.7	94.6	95.4	95.7	97.5	98.0	98.2	98.6	99.3	99.6	100.0								

TOTAL NUMBER OF OBSERVATIONS 2444

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7710 COL A J BO BAKER AAF DL

73-78,80-82

CLT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-2000

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO FOG LINE	23.4	31.0	30.1	30.3	30.3	30.5	30.7	30.8	30.8	31.3	31.8	31.8	32.2	32.9	33.9	34.4
20000	26.4	33.4	33.5	33.7	33.7	33.9	34.1	34.2	34.2	34.3	35.3	35.3	35.6	36.3	37.3	37.8
20000	27.1	34.1	34.2	34.4	34.4	34.6	34.8	34.9	34.9	35.4	36.0	36.0	36.3	37.0	38.0	38.6
20000	27.2	34.2	34.4	34.6	34.6	34.8	34.9	35.1	35.1	35.6	36.1	36.1	36.5	37.2	38.2	38.7
20000	27.2	34.2	34.4	34.6	34.6	34.8	34.9	35.1	35.1	35.6	36.1	36.1	36.5	37.2	38.2	38.7
20000	27.2	34.2	34.4	34.6	34.6	34.8	34.9	35.1	35.1	35.6	36.1	36.1	36.5	37.2	38.2	38.7
20000	28.4	35.4	35.6	35.8	35.8	36.0	36.1	36.3	36.3	36.8	37.3	37.3	37.7	38.4	39.4	39.9
20000	28.9	36.1	36.3	36.5	36.5	36.6	36.8	37.0	37.0	37.5	38.0	38.0	38.4	39.2	40.2	40.6
20000	31.0	37.0	37.2	37.4	37.4	37.6	37.7	37.9	37.9	38.5	39.0	39.0	39.4	40.2	41.2	41.6
20000	33.1	41.3	41.4	41.6	41.6	41.8	42.0	42.1	42.1	42.6	43.1	43.1	43.5	44.3	45.3	45.7
20000	34.2	42.8	43.1	43.2	43.2	43.3	43.5	43.7	43.7	44.3	44.8	44.8	45.2	46.1	47.1	47.5
20000	35.4	44.2	44.3	44.5	44.5	44.7	44.9	45.0	45.0	45.7	46.2	46.2	46.6	47.4	48.4	48.8
20000	37.3	46.2	46.4	46.5	46.5	46.7	46.9	47.1	47.1	47.8	48.3	48.3	48.7	49.5	50.5	50.9
20000	38.4	48.8	49.0	49.1	49.1	49.3	49.5	49.7	49.7	50.3	50.8	50.8	51.2	52.0	53.0	53.4
20000	41.1	51.9	52.1	52.4	52.4	52.6	52.7	52.9	52.9	53.6	54.1	54.1	54.5	55.3	56.3	56.7
20000	42.1	55.0	55.3	55.8	55.8	56.0	56.2	56.5	56.5	57.2	57.7	57.7	58.0	58.9	60.1	60.5
20000	45.7	57.7	58.4	59.2	59.2	59.4	59.6	59.9	59.9	60.6	61.1	61.1	61.5	62.3	63.5	64.0
20000	46.7	59.8	60.6	63.2	63.2	63.4	63.7	64.2	64.2	65.1	65.6	65.6	65.9	66.8	68.0	68.5
20000	47.6	60.4	61.3	63.9	64.0	64.2	64.7	65.2	65.2	66.1	66.6	66.6	67.0	67.8	69.0	69.5
20000	49.9	63.9	64.9	68.3	69.2	69.7	71.4	72.1	72.1	73.1	73.6	73.6	74.1	75.0	76.2	76.7
20000	50.5	65.9	67.1	72.1	73.3	73.6	75.7	76.5	76.5	77.7	78.3	78.3	78.8	79.6	80.8	81.3
20000	51.0	66.6	67.8	73.0	75.2	75.7	78.4	79.5	79.5	80.8	81.5	81.5	82.2	83.6	84.8	85.3
20000	51.0	66.6	67.8	73.6	75.2	75.7	78.4	79.6	79.6	81.1	82.0	82.2	82.9	84.2	85.4	86.1
20000	51.4	67.1	68.3	74.1	75.7	76.2	79.5	80.8	80.8	82.4	83.4	83.6	84.4	85.8	87.0	87.7
20000	51.4	67.1	68.3	74.3	75.9	76.4	80.0	81.3	81.3	83.0	84.1	84.2	85.3	86.6	87.9	88.5
20000	51.4	67.1	68.3	74.3	75.9	76.4	80.1	81.7	81.7	83.7	85.1	85.3	86.3	88.5	89.7	90.4
20000	51.4	67.1	68.3	74.3	75.9	76.4	80.1	81.8	81.8	85.1	86.6	86.8	88.0	90.2	91.4	92.1
20000	51.4	67.1	68.3	74.3	75.9	76.4	80.1	82.0	82.0	85.8	87.3	87.5	88.7	92.0	93.7	94.2
20000	51.4	67.1	68.3	74.3	75.9	76.4	80.1	82.0	82.0	86.6	88.4	88.5	89.9	94.2	96.2	97.1
20000	51.4	67.1	68.3	74.3	75.9	76.4	80.1	82.0	82.0	86.6	88.4	88.5	90.1	94.9	97.9	98.8
20000	51.4	67.1	68.3	74.3	75.9	76.4	80.1	82.0	82.0	86.6	88.4	88.5	90.1	94.9	97.9	98.8
20000	51.4	67.1	68.3	74.3	75.9	76.4	80.1	82.0	82.0	86.6	88.4	88.5	90.1	94.9	97.9	98.8

TOTAL NUMBER OF OBSERVATIONS 524

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 14710 COL A J BO BAKER AAF DL

73-75, FD-52

DOT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

822-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
10000	29.3	35.5	35.9	28.2	36.5	36.5	36.7	36.9	36.9	37.0	37.2	37.2	37.2	37.2	37.2	37.2
8000	31.9	40.0	40.0	40.4	40.7	40.7	40.9	41.1	41.1	41.3	41.4	41.4	41.4	41.4	41.4	41.4
6000	31.4	40.2	40.2	40.6	40.9	40.9	41.1	41.3	41.7	41.4	41.5	41.5	41.5	41.5	41.5	41.5
4000	32.3	40.6	40.6	40.9	41.3	41.3	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
3000	32.5	40.7	40.7	41.1	41.4	41.4	41.6	41.6	41.6	41.6	42.0	42.2	42.2	42.2	42.2	42.2
2000	32.5	41.9	40.9	41.3	41.6	41.6	41.8	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3
1800	33.3	41.6	41.6	42.0	42.3	42.3	42.5	42.7	42.7	42.9	43.0	43.0	43.0	43.0	43.0	43.0
1600	35.4	43.9	43.9	44.3	44.6	44.6	44.8	45.0	45.0	45.1	45.7	45.3	45.3	45.3	45.3	45.3
1400	36.4	48.5	48.5	48.9	49.2	49.2	49.4	49.6	49.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9
1200	39.7	50.1	50.1	50.4	50.8	50.8	51.0	51.1	51.1	51.3	51.5	51.5	51.5	51.5	51.5	51.5
1000	40.7	51.3	51.3	51.7	52.0	52.0	52.2	52.4	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7
800	41.4	52.6	52.6	52.9	53.3	53.3	53.6	53.8	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1
600	42.5	53.4	53.4	54.1	54.5	54.5	54.9	55.0	55.0	55.2	55.4	55.4	55.4	55.4	55.4	55.4
400	44.1	55.2	55.2	55.9	56.3	56.3	56.6	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
300	46.9	58.9	58.9	59.6	60.0	60.0	60.3	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.8
200	49.1	62.1	62.1	63.1	63.5	63.5	63.8	64.0	64.0	64.2	64.4	64.4	64.4	64.4	64.4	64.4
180	50.3	63.7	64.4	65.3	65.6	65.6	66.0	66.1	66.1	66.3	66.5	66.5	66.5	66.5	66.5	66.5
160	51.5	66.5	67.4	69.5	70.5	70.5	71.1	71.6	71.8	72.1	72.3	72.3	72.3	72.3	72.3	72.3
140	52.2	67.2	69.1	70.7	71.8	72.1	72.5	73.0	73.2	73.5	73.7	73.7	73.7	73.7	73.7	73.7
120	54.3	70.4	71.7	74.4	76.5	77.6	78.7	79.9	80.1	81.0	81.1	81.1	81.1	81.1	81.1	81.1
100	54.7	71.3	72.1	76.2	78.3	79.4	80.8	82.7	82.9	83.8	84.0	84.0	84.0	84.0	84.0	84.0
80	55.4	72.1	73.7	78.1	80.2	81.7	84.0	86.2	86.4	88.0	88.4	88.5	88.5	88.5	88.5	88.5
60	55.4	72.0	73.0	78.5	80.6	82.0	84.3	86.6	86.9	88.5	89.2	89.4	89.4	89.4	89.4	89.4
40	55.4	72.0	73.0	78.5	80.6	82.0	84.8	87.1	87.5	89.4	90.3	90.5	90.7	91.2	91.2	91.4
30	55.4	72.0	73.0	78.5	80.8	82.2	85.2	87.7	88.0	90.3	91.4	91.5	91.7	92.4	92.4	92.6
20	55.4	72.0	73.0	78.5	80.8	82.2	85.4	87.8	88.4	91.0	92.2	92.4	92.6	93.3	93.3	93.5
10	55.4	72.0	73.0	78.5	81.3	82.9	86.1	88.5	89.2	92.6	93.9	94.0	94.5	95.4	95.4	95.6
5	55.4	72.0	73.0	78.5	81.5	83.2	86.8	89.4	90.1	93.7	94.9	95.1	95.6	97.2	97.2	97.5
3	55.4	72.0	73.0	78.5	81.5	83.2	86.0	89.6	90.2	94.2	95.6	95.8	96.6	99.1	99.1	99.5
2	55.4	72.0	73.0	78.5	81.5	83.2	86.0	89.6	90.3	94.2	95.6	95.8	96.6	99.3	99.3	99.8
1	55.4	72.0	73.0	78.5	81.5	83.2	87.1	89.8	90.6	94.4	95.8	95.9	96.8	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 567

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

CEILING VERSUS VISIBILITY

1 1971 COL A J B BAKER AAF DL

73-78,50-52

001

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1220-1420

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
100	31.1	37.4	37.4	37.5	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
200	33.4	40.5	40.5	40.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
300	34.1	41.2	41.2	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
400	34.1	41.2	41.2	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
500	34.2	41.4	41.4	41.8	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
600	34.3	41.8	41.8	42.1	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
700	37.1	44.9	44.9	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
800	38.3	46.9	46.9	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
900	41.0	50.7	50.9	51.3	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
1000	41.2	50.9	52.4	52.7	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
1100	43.0	54.6	54.6	54.9	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1200	45.2	56.2	56.2	56.6	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
1300	45.1	57.3	57.3	57.9	58.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
1400	45.5	60.4	60.4	61.0	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
1500	46.6	63.5	63.5	64.1	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
1600	48.1	67.8	67.8	68.5	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
1700	50.6	71.2	71.4	72.0	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
1800	50.6	74.7	74.9	76.0	77.1	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
1900	59.3	75.8	76.3	77.5	78.6	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
2000	61.5	78.1	78.2	81.7	83.0	83.9	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
2100	62.3	79.1	79.3	83.9	85.7	86.6	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
2200	62.3	79.7	79.9	84.6	87.4	88.8	89.7	90.3	90.5	91.4	91.9	91.9	91.9	92.1	92.1	92.1
2300	62.3	79.9	80.0	85.0	87.9	89.4	90.3	91.2	91.6	92.5	93.0	93.0	93.0	93.0	93.2	93.2
2400	62.3	79.9	80.1	85.0	88.8	90.3	91.4	92.3	92.7	93.6	94.1	94.1	94.1	94.3	94.3	94.3
2500	62.3	79.9	80.2	85.2	89.0	90.5	92.1	93.6	94.0	95.2	96.2	96.2	96.2	96.3	96.3	96.3
2600	62.3	79.9	80.2	85.2	89.2	90.7	92.3	94.0	94.3	96.2	97.1	97.1	97.1	97.3	97.3	97.3
2700	62.3	79.9	80.2	85.2	89.9	91.6	93.4	95.1	95.4	97.6	98.5	98.5	98.5	99.3	99.3	99.3
2800	62.3	79.9	80.2	85.5	90.3	91.9	93.8	95.6	96.0	98.2	99.1	99.1	99.1	99.6	99.6	99.6
2900	62.3	79.9	80.2	85.5	90.3	91.9	93.8	95.6	96.0	98.4	99.3	99.3	99.3	99.8	99.8	99.8
3000	62.3	79.9	80.2	85.5	90.3	91.9	93.8	95.6	96.0	98.4	99.3	99.3	99.3	99.8	99.8	99.8
3100	62.3	79.9	80.2	85.5	90.3	91.9	93.8	95.6	96.0	98.4	99.3	99.3	99.3	99.8	99.8	99.8
3200	62.3	79.9	80.2	85.5	90.3	91.9	93.8	95.6	96.0	98.4	99.3	99.3	99.3	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 596

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710 COL A J SO BAKER AAF DL

73-78, 81-82

CC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥1000	28.9	37.5	38.1	38.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥800	32.3	41.3	42.2	42.7	43.8	43.8	43.8	43.8	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0
≥600	32.3	41.5	42.2	42.9	44.0	44.0	44.0	44.0	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2
≥400	32.3	41.5	42.2	42.9	44.0	44.0	44.0	44.0	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2
≥200	33.3	42.2	42.9	43.6	44.7	44.7	44.7	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9
≥100	34.1	44.0	44.7	45.4	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7
≥80	35.2	45.6	46.3	47.0	48.1	48.1	48.1	48.1	48.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3
≥60	36.4	46.1	46.9	47.6	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9
≥40	36.8	46.9	47.6	48.3	49.4	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6
≥30	38.8	50.8	51.5	52.1	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5
≥20	38.8	50.8	51.5	52.1	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5
≥15	40.2	52.1	52.9	53.5	54.6	54.6	54.6	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9
≥10	41.1	53.5	54.2	54.9	56.0	56.0	56.0	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2
≥8	45.4	58.9	59.6	60.5	61.6	61.6	61.6	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9
≥6	47.1	61.4	62.1	63.0	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.3
≥4	51.2	67.0	67.7	68.8	70.0	70.0	70.0	70.0	70.0	70.0	70.4	70.4	70.4	70.4	70.4	70.4
≥3	53.5	72.2	71.1	72.9	74.3	74.3	74.3	74.3	74.3	74.3	74.7	74.7	74.7	74.7	74.7	74.7
≥2	55.3	72.9	73.8	76.5	78.1	78.3	78.3	78.3	78.3	78.3	78.8	78.8	78.8	78.8	78.8	78.8
≥1	55.5	73.6	74.5	77.2	79.5	79.7	79.7	79.7	79.7	79.7	80.1	80.1	80.1	80.1	80.1	80.1
≥0.5	56.7	75.2	76.5	80.1	83.3	83.5	83.5	83.5	83.5	83.5	84.0	84.0	84.0	84.0	84.0	84.0
≥0.2	56.7	75.8	77.4	82.2	87.1	87.4	87.4	87.4	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8
≥0.1	56.9	76.5	78.1	83.3	88.5	88.7	89.2	89.8	90.1	91.2	91.4	91.6	91.9	91.9	91.9	91.9
≥0.05	56.9	77.0	78.5	83.7	89.4	89.6	90.1	90.7	91.0	91.6	92.1	92.3	92.8	93.0	93.0	93.0
≥0.02	57.1	77.2	79.0	84.2	89.8	90.3	91.0	91.6	91.9	93.0	93.2	93.7	93.9	93.9	93.9	93.9
≥0.01	57.1	77.2	79.0	84.2	90.1	90.7	91.4	92.1	93.0	95.3	95.5	95.9	96.2	96.2	96.2	96.2
≥0.005	57.1	77.2	79.0	84.4	90.3	91.0	92.3	93.2	94.4	97.1	97.5	98.0	98.2	98.2	98.2	98.2
≥0.002	57.1	77.2	79.0	84.7	90.5	91.2	92.6	93.5	94.6	97.7	98.2	98.6	99.3	99.5	99.5	99.5
≥0.001	57.1	77.2	79.0	84.7	90.5	91.2	92.6	93.5	94.6	97.7	98.2	98.6	99.3	99.5	99.5	99.5
≥0.0005	57.1	77.2	79.0	84.7	90.5	91.2	92.6	93.5	94.6	97.7	98.2	98.6	99.3	99.5	99.5	99.5
≥0.0002	57.1	77.2	79.0	84.7	90.5	91.2	92.6	93.5	94.6	97.7	98.2	98.6	99.3	99.5	99.5	99.5
≥0.0001	57.1	77.2	79.0	84.7	90.5	91.2	92.6	93.5	94.6	97.7	98.2	98.6	99.3	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 483

U.S. AIR FORCE CLIMATOLOGY BRANCH
 U.S. AIR FORCE
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1-710
 STATION

COL A J ED BAKER AAF DL
 STATION NAME

75-75,81-82
 YEARS

307
 DAYS

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1940-1999
 PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	28.9	35.6	36.6	36.6	35.0	36.4	38.4	35.7	39.0	39.4	39.7	39.7	39.7	39.7	39.7	39.7
18000	31.1	39.7	40.8	40.8	42.1	42.5	42.5	42.8	43.2	43.5	43.8	43.8	43.8	43.8	43.8	43.8
16000	31.1	39.7	40.8	40.8	42.1	42.5	42.8	43.2	43.5	43.8	44.2	44.2	44.2	44.2	44.2	44.2
14000	31.1	39.7	40.8	40.8	42.1	42.5	42.8	43.2	43.5	43.8	44.2	44.2	44.2	44.2	44.2	44.2
12000	31.1	39.7	40.8	40.8	42.1	42.5	42.8	43.2	43.5	43.8	44.2	44.2	44.2	44.2	44.2	44.2
10000	32.2	40.4	41.4	41.4	42.8	43.5	43.5	43.8	44.2	44.5	44.9	44.9	44.9	44.9	44.9	44.9
9000	33.2	41.4	42.5	42.5	43.8	44.5	44.5	44.9	45.2	45.5	45.9	45.9	45.9	45.9	45.9	45.9
8000	36.3	44.5	45.5	45.5	46.9	47.6	47.6	47.9	48.3	48.6	49.0	49.0	49.0	49.0	49.0	49.0
7000	37.3	46.6	47.6	47.6	49.0	49.7	49.7	50.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0
6000	37.3	46.6	47.6	47.6	49.0	49.7	49.7	50.0	50.3	50.7	51.0	51.0	51.0	51.0	51.0	51.0
5000	38.3	48.3	49.3	49.3	50.7	51.4	51.4	51.7	52.1	52.4	52.7	52.7	52.7	52.7	52.7	52.7
4500	39.7	50.7	51.7	51.7	53.1	53.8	53.8	54.1	54.5	54.8	55.1	55.1	55.1	55.1	55.1	55.1
4000	42.1	54.1	55.1	55.1	56.5	57.2	57.2	57.5	57.9	58.2	58.6	58.6	58.6	58.6	58.6	58.6
3500	44.1	56.5	57.5	57.5	58.9	59.6	59.6	59.9	60.3	60.6	61.0	61.0	61.0	61.0	61.0	61.0
3000	47.9	60.6	62.3	62.3	63.7	64.4	64.4	64.7	65.1	65.4	65.8	65.8	65.8	65.8	65.8	65.8
2500	50.3	63.7	65.4	65.4	67.1	67.8	67.8	68.2	68.5	68.8	69.2	69.2	69.2	69.2	69.2	69.2
2000	52.1	65.8	67.5	67.5	70.9	71.6	71.6	71.9	72.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6
1800	52.4	66.8	68.5	68.5	72.6	73.3	73.3	73.6	74.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3
1600	52.4	66.8	68.5	68.5	71.9	74.7	75.3	76.0	76.4	76.7	77.7	78.1	78.1	78.1	78.1	78.1
1400	52.4	67.5	69.2	69.2	73.6	77.1	78.1	79.8	80.8	81.2	82.2	82.5	82.5	82.5	82.5	82.5
1200	53.1	68.2	69.9	69.9	75.3	79.1	80.1	81.8	83.2	84.2	86.3	86.6	86.6	87.3	87.3	87.3
1000	53.1	68.2	70.5	70.5	76.7	80.5	81.5	83.2	84.6	85.6	87.7	88.0	88.0	88.7	88.7	88.7
900	53.1	68.2	70.5	70.5	76.7	80.5	82.2	84.6	86.0	87.0	89.0	89.4	89.4	90.1	90.1	90.1
800	53.1	68.2	70.5	70.5	76.7	80.5	82.5	85.6	87.3	89.0	91.8	92.5	92.5	93.5	93.5	93.5
700	53.1	68.2	70.5	70.5	76.7	80.5	82.5	85.6	87.3	89.7	92.8	93.5	93.5	94.5	94.5	94.5
600	53.4	68.5	70.9	70.9	77.1	80.8	82.9	86.0	87.7	90.4	94.9	95.5	95.5	96.6	96.9	97.3
500	53.4	68.5	70.9	70.9	77.1	80.8	82.9	86.0	88.0	90.8	95.2	96.6	96.6	97.6	98.3	98.6
400	53.4	68.5	70.9	70.9	77.1	80.8	82.9	86.0	88.4	91.1	95.5	96.9	96.9	97.6	98.6	99.3
300	53.4	68.5	70.9	70.9	77.1	80.8	82.9	86.0	88.4	91.1	95.5	96.9	96.9	97.6	98.6	99.3
200	53.4	68.5	70.9	70.9	77.1	80.8	82.9	86.0	88.4	91.1	95.5	96.9	96.9	97.6	98.6	99.3
100	53.4	68.5	70.9	70.9	77.1	80.8	82.9	86.0	88.4	91.1	95.5	96.9	96.9	97.6	98.6	99.3

TOTAL NUMBER OF OBSERVATIONS 292

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 9710
STATION

COL A J GO BAKER AAF DL
STATION NAME

73-73,80-82
YEAR

201
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	28.1	35.0	35.3	35.6	36.2	36.3	36.3	36.5	36.5	36.7	36.9	36.9	37.7	37.2	37.4	37.5
≥ 20000	31.1	39.7	39.7	39.4	40.0	40.0	40.1	40.3	40.3	40.5	40.7	40.7	40.8	41.0	41.2	41.4
≥ 18000	31.3	39.1	39.4	39.8	40.4	40.5	40.6	40.7	40.7	40.9	41.0	41.2	41.3	41.3	41.4	41.8
≥ 16000	31.5	39.3	39.6	39.9	40.5	40.6	40.7	40.8	40.8	41.1	41.3	41.3	41.4	41.6	41.8	41.9
≥ 14000	31.5	39.4	39.6	40.0	40.6	40.7	40.8	40.9	41.0	41.2	41.4	41.4	41.5	41.7	41.9	42.0
≥ 12000	31.7	39.6	39.9	40.2	40.8	41.0	41.0	41.2	41.2	41.4	41.7	41.7	41.7	41.9	42.1	42.3
≥ 10000	33.1	41.2	41.4	41.6	42.4	42.5	42.6	42.7	42.8	43.0	43.2	43.2	43.3	43.5	43.7	43.8
≥ 9000	34.2	42.7	43.7	43.3	44.0	44.1	44.2	44.3	44.3	44.5	44.8	44.8	44.9	45.1	45.3	45.4
≥ 8000	36.3	46.2	46.5	46.8	47.5	47.6	47.7	47.8	47.8	48.1	48.3	48.3	48.4	48.6	49.8	49.0
≥ 7000	38.2	48.2	48.5	48.8	49.4	49.5	49.6	49.8	49.8	50.1	50.3	50.3	50.4	50.6	50.9	51.0
≥ 6000	39.1	49.3	49.6	50.0	50.6	50.7	50.8	50.9	50.9	51.2	51.4	51.4	51.5	51.7	52.0	52.1
≥ 5000	40.3	50.8	51.1	51.4	52.0	52.1	52.3	52.4	52.5	52.8	53.0	53.0	53.0	53.2	53.5	53.7
≥ 4500	41.4	52.3	52.5	53.0	53.6	53.7	53.9	54.0	54.1	54.4	54.6	54.6	54.6	54.8	55.1	55.3
≥ 4000	44.0	55.4	55.7	56.2	56.8	56.9	57.1	57.2	57.2	57.5	57.7	57.7	57.8	58.0	58.3	58.4
≥ 3500	46.5	58.4	58.7	59.3	59.9	60.0	60.2	60.3	60.3	60.6	60.8	60.8	60.9	61.1	61.4	61.5
≥ 3000	49.2	62.4	62.9	63.5	64.1	64.3	64.4	64.6	64.6	65.0	65.2	65.2	65.3	65.5	65.7	65.9
≥ 2500	51.2	65.1	65.9	66.8	67.4	67.6	67.7	67.9	67.9	68.3	68.5	68.5	68.5	68.8	69.0	69.2
≥ 2000	52.8	67.8	68.6	70.7	71.7	72.0	72.2	72.5	72.6	73.1	73.3	73.3	73.4	73.6	73.9	74.0
≥ 1800	53.3	68.6	69.4	71.8	72.9	73.4	73.6	73.9	74.0	74.5	74.7	74.7	74.8	75.0	75.2	75.4
≥ 1600	55.1	71.0	71.9	75.3	77.2	77.9	78.7	79.3	79.4	80.0	80.2	80.2	80.3	80.6	80.8	81.0
≥ 1400	55.5	72.1	73.1	77.7	80.2	81.0	82.0	82.9	83.0	83.7	83.9	83.9	84.0	84.2	84.5	84.7
≥ 1200	55.9	72.8	73.8	79.1	82.0	82.9	84.6	85.8	86.1	87.4	87.9	88.0	88.2	88.7	89.0	89.2
≥ 1000	55.9	72.9	74.1	79.5	82.5	83.5	85.2	86.5	86.8	88.2	88.8	88.9	88.9	89.2	89.7	90.2
≥ 900	56.0	73.1	74.3	79.7	82.9	84.0	86.1	87.5	87.8	89.3	89.9	90.1	90.5	91.0	91.2	91.4
≥ 800	56.0	73.1	74.3	79.6	83.1	84.3	86.7	88.2	88.8	90.7	91.6	91.7	92.2	92.7	93.0	93.2
≥ 700	56.0	73.1	74.3	79.9	83.2	84.3	87.0	88.7	89.4	91.7	92.7	92.9	93.3	94.1	94.4	94.6
≥ 600	56.0	73.1	74.3	79.9	83.6	84.8	87.5	89.2	90.0	93.1	94.2	94.3	95.1	96.0	96.3	96.5
≥ 500	56.0	73.1	74.3	80.0	83.7	85.0	87.7	89.6	90.4	93.7	94.8	95.0	95.8	97.1	97.5	97.7
≥ 400	56.0	73.1	74.3	80.0	83.7	85.0	87.7	89.7	90.7	94.2	95.4	95.6	96.5	98.3	98.8	99.1
≥ 300	56.0	73.1	74.3	80.0	83.7	85.0	87.7	89.7	90.7	94.2	95.4	95.7	96.6	98.6	99.4	100.0
≥ 200	56.0	73.1	74.3	80.0	83.7	85.0	87.8	89.7	90.7	94.2	95.4	95.7	96.6	98.6	99.4	100.0
≥ 100	56.0	73.1	74.3	80.0	83.7	85.0	87.8	89.7	90.7	94.2	95.4	95.7	96.6	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2432

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 9710 COL A J BO BAKER AAF DL

73-79,80-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-1972

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	24.1	23.5	28.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 20000	29.2	34.4	34.6	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 18000	29.2	34.6	34.6	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 16000	29.2	34.6	34.6	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 14000	29.4	34.8	34.9	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 12000	29.9	35.3	35.3	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 10000	30.1	35.5	35.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 8000	31.5	37.1	37.1	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 6000	32.3	41.4	41.4	41.9	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 4000	36.9	43.3	43.3	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 3000	36.9	43.7	43.7	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 2000	38.0	44.3	44.3	44.8	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 1800	39.1	45.3	45.3	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 1600	41.4	46.0	46.0	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 1400	43.4	50.4	50.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 1200	44.3	51.6	51.6	53.2	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 1000	47.5	55.6	55.7	57.5	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 800	48.9	57.2	57.7	60.2	60.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 600	49.6	57.9	58.4	61.8	62.9	63.1	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 400	50.5	59.3	60.7	65.6	67.7	67.9	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 300	51.4	60.6	61.5	67.4	69.5	69.9	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 200	51.4	60.6	61.5	68.6	71.3	72.4	75.3	76.7	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 100	51.4	60.6	61.5	69.0	71.7	73.3	76.2	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 80	51.4	60.6	61.5	69.4	72.4	74.0	78.0	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 60	51.4	60.6	61.5	69.4	72.9	74.6	78.9	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 40	51.4	60.6	61.5	69.7	73.5	75.1	79.6	81.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 30	51.6	60.8	61.8	69.9	73.7	75.8	80.6	82.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 20	51.6	60.8	61.8	70.1	73.8	76.2	81.2	83.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 10	51.6	60.8	61.8	70.1	73.8	76.2	81.2	83.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 5	51.6	60.8	61.8	70.1	73.8	76.2	81.2	83.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2	51.6	60.8	61.8	70.1	73.8	76.2	81.2	83.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4

TOTAL NUMBER OF OBSERVATIONS 558

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 0710 COL A J SO BAKER AAF DL

73-78,80-82

NOV

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

900-1170

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2.0	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
2000	26.5	30.3	30.5	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.9	30.9	30.9	30.9	31.4	31.4
1800	31.1	36.3	36.4	36.6	36.6	36.6	36.6	36.7	36.7	36.7	37.1	37.1	37.1	37.1	37.7	37.7
1600	31.1	36.3	36.4	36.6	36.6	36.6	36.6	36.7	36.7	36.7	37.1	37.1	37.1	37.1	37.7	37.7
1400	31.4	36.4	36.7	36.9	36.9	36.9	37.1	37.1	37.3	37.5	37.5	37.5	37.5	38.0	38.0	38.0
1200	32.3	36.9	37.3	37.5	37.5	37.5	37.7	37.7	37.8	38.0	38.0	38.0	38.0	38.6	38.6	38.6
1000	32.9	38.6	38.9	39.1	39.1	39.1	39.3	39.3	39.5	39.7	39.7	39.7	39.7	40.2	40.2	40.2
900	32.9	38.9	39.3	39.5	39.5	39.5	39.7	39.7	39.9	40.0	40.0	40.0	40.0	40.6	40.6	40.6
800	37.7	43.9	44.2	44.4	44.4	44.4	44.6	44.6	44.8	45.0	45.0	45.0	45.0	45.6	45.6	45.6
700	39.7	46.6	47.2	47.3	47.3	47.3	47.5	47.5	47.7	47.9	47.9	47.9	47.9	48.4	48.4	48.4
600	40.2	47.5	47.6	48.1	48.1	48.1	48.3	48.3	48.4	48.6	48.6	48.6	48.6	49.2	49.2	49.2
500	40.8	49.0	49.4	49.5	49.5	49.5	49.7	49.7	49.9	50.1	50.1	50.1	50.1	50.6	50.6	50.6
4500	42.1	50.5	51.0	51.0	51.0	51.0	51.2	51.2	51.4	51.6	51.6	51.6	51.6	52.1	52.1	52.1
4000	45.0	53.9	54.3	54.5	54.5	54.5	54.7	54.7	54.8	55.0	55.0	55.0	55.0	55.6	55.6	55.6
3500	47.7	57.2	57.8	58.5	58.5	58.5	58.7	58.7	58.9	59.0	59.0	59.0	59.0	59.6	59.6	59.6
3000	48.6	58.7	59.2	60.1	60.1	60.1	60.3	60.3	60.7	60.9	60.9	60.9	60.9	61.4	61.4	61.4
2500	49.5	60.1	60.7	61.8	61.8	61.8	62.0	62.0	62.3	62.5	62.5	62.5	62.5	63.1	63.1	63.1
2000	51.2	62.9	63.6	66.4	66.5	66.7	66.9	67.1	67.5	67.6	67.6	67.6	67.6	68.2	68.2	68.2
1800	51.9	63.6	64.9	68.4	68.6	69.1	69.5	69.7	70.0	70.2	70.2	70.2	70.2	70.7	70.7	70.7
1600	52.7	64.7	66.7	71.7	72.8	73.3	74.0	74.6	75.1	75.5	75.7	75.7	75.7	76.2	76.2	76.2
1400	53.0	65.1	67.1	72.9	74.0	74.8	76.4	77.1	77.5	78.1	78.2	78.2	78.2	78.8	78.8	78.8
1200	53.0	65.4	67.5	74.6	75.7	76.4	78.1	80.1	80.4	81.9	82.3	82.3	82.3	82.8	82.8	82.8
1000	53.0	65.4	67.5	74.6	75.9	77.0	78.8	81.0	81.5	83.0	83.4	83.4	83.4	83.9	83.9	83.9
900	53.0	65.4	67.8	75.1	76.4	77.9	80.6	82.6	83.4	85.2	85.6	85.6	85.6	86.1	86.1	86.1
800	53.0	65.4	67.8	75.1	76.4	77.9	80.8	83.4	83.9	86.1	86.8	86.8	86.8	87.4	87.4	87.4
700	53.0	65.4	68.1	75.5	77.0	78.4	81.5	84.6	85.2	87.6	88.3	88.5	88.5	89.0	89.0	89.0
600	53.0	65.4	68.1	75.5	77.0	78.4	82.1	86.3	87.2	90.5	91.6	92.5	93.8	94.9	94.9	95.1
500	53.0	65.4	68.1	75.9	77.3	78.8	82.4	86.7	87.6	91.4	92.7	93.6	94.9	96.2	96.2	96.3
400	53.0	65.4	68.0	75.9	77.3	78.8	82.4	86.7	87.6	91.6	93.1	94.1	95.6	98.4	98.4	99.1
300	53.0	65.4	68.0	75.9	77.3	78.8	82.4	86.7	87.6	91.6	93.1	94.1	95.6	98.7	99.1	99.8
200	53.0	65.4	68.0	75.9	77.3	78.8	82.4	86.7	87.6	91.6	93.1	94.1	95.6	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 547

GLOBAL CLIMATOLOGY BRANCH
CAPETAC
AF-WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710
STATION

COL A J 50 BAKER AAF DL
STATION NAME

73-75,80-52
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12,22-1422
NO. OF

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
20000	27.4	31.7	31.2	32.8	33.0	33.2	33.4	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
18000	31.3	36.7	36.9	38.0	38.2	38.4	38.6	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
16000	31.7	37.5	37.6	38.8	39.0	39.2	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
14000	31.9	37.5	37.6	38.8	39.0	39.2	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
12000	33.0	38.6	38.8	40.0	40.2	40.3	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
10000	34.0	40.0	40.2	41.3	41.5	41.7	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
9000	34.2	40.2	40.3	41.5	41.7	41.9	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
8000	37.5	44.2	44.4	45.6	45.8	45.9	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
7000	39.3	46.5	46.7	47.9	48.1	48.3	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
6000	40.9	47.7	47.9	49.0	49.2	49.6	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
5000	42.3	49.2	49.4	50.6	50.8	51.4	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
4500	42.9	49.8	50.0	51.2	51.4	51.9	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
4000	45.7	53.5	53.7	55.0	55.2	55.6	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
3500	47.3	56.4	56.6	57.9	58.1	58.7	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
3000	45.5	57.5	57.7	59.8	60.0	60.6	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
2500	51.0	60.4	61.1	64.7	64.9	65.4	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
2000	52.7	62.9	63.7	69.1	69.9	70.5	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
1800	53.1	63.5	64.5	71.0	72.2	73.0	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
1600	54.1	65.4	67.2	73.9	75.9	76.8	78.0	79.3	79.3	79.7	79.9	79.9	79.9	79.9	79.9	79.9
1400	54.4	66.6	68.3	75.7	78.2	79.5	81.3	82.6	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2
1200	54.8	67.0	68.9	77.2	79.7	81.1	82.8	84.6	84.6	85.3	85.5	85.7	85.7	85.7	85.7	85.7
1000	54.3	67.0	68.9	77.2	79.7	81.1	83.0	84.9	84.9	85.7	85.9	86.1	86.1	86.1	86.1	86.1
900	54.4	67.2	69.5	78.4	81.3	82.8	85.7	88.0	88.0	89.2	89.4	89.6	89.6	89.6	89.6	89.6
800	54.4	67.2	69.5	78.4	81.5	83.0	86.1	88.6	88.6	90.2	90.5	90.7	90.7	91.3	91.3	91.3
700	54.4	67.2	69.5	78.4	81.5	83.0	86.3	89.0	89.0	92.1	92.5	92.7	92.7	93.2	93.2	93.2
600	54.3	67.2	69.5	78.6	81.7	83.4	86.9	90.5	91.1	94.4	95.0	95.2	95.4	95.9	95.9	95.9
500	54.5	67.2	69.5	78.6	81.7	83.4	86.9	90.5	91.7	95.8	96.7	96.9	97.1	97.7	97.9	97.9
400	54.3	67.2	69.5	78.6	81.7	83.4	86.9	90.5	91.7	96.1	97.1	97.3	97.5	98.1	98.8	98.8
300	54.3	67.2	69.5	78.6	81.7	83.4	86.9	90.5	91.7	96.3	97.3	97.7	97.9	98.8	100.0	100.0
200	54.3	67.2	69.5	78.6	81.7	83.4	86.9	90.5	91.7	96.3	97.3	97.7	97.9	98.8	100.0	100.0
100	54.3	67.2	69.5	78.6	81.7	83.4	86.9	90.5	91.7	96.3	97.3	97.7	97.9	98.8	100.0	100.0
0	54.3	67.2	69.5	78.6	81.7	83.4	86.9	90.5	91.7	96.3	97.3	97.7	97.9	98.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 518

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 5710

COL A J ED BAKER AAF DL

73-79,80-82

NOV

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	20.1	25.4	25.4	27.0	27.5	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥20000	24.9	31.1	31.1	32.6	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥18000	25.4	31.8	31.8	33.5	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥16000	25.4	31.8	31.8	33.5	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥14000	25.4	31.8	31.8	33.5	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥12000	25.4	33.3	33.3	34.7	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥10000	27.5	34.4	34.4	36.1	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥9000	27.5	34.7	34.7	36.4	36.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥8000	29.9	37.8	37.8	39.5	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥7000	31.1	39.3	39.3	40.7	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥6000	31.9	39.7	39.7	41.4	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥5000	32.1	40.7	40.7	42.3	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥4500	33.3	42.1	42.1	43.8	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥4000	35.6	45.0	45.0	46.7	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥3500	38.8	49.3	49.3	50.7	51.4	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥3000	41.1	51.9	51.9	55.3	56.2	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥2500	45.2	56.5	56.5	60.3	61.2	61.7	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥2000	49.8	60.8	61.0	66.0	67.5	68.4	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥1800	49.8	61.7	62.1	67.7	69.9	70.8	71.5	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥1600	50.2	62.9	63.9	71.5	74.6	75.6	76.6	78.2	78.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥1400	50.7	63.9	65.1	74.4	77.5	78.7	80.1	82.1	82.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥1200	51.4	64.8	66.0	76.3	79.4	81.1	83.0	85.2	85.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥1000	51.4	64.8	66.0	76.3	79.4	81.1	83.0	85.2	85.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥900	51.4	64.8	66.0	76.3	79.4	81.1	83.0	85.2	85.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥800	51.4	64.8	66.0	77.8	81.3	83.0	85.4	87.6	87.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥700	51.4	64.8	66.0	77.8	81.3	83.3	85.9	88.0	88.0	90.4	91.1	91.1	91.1	91.1	92.1	92.1
≥600	51.4	64.8	66.0	77.8	81.3	83.3	85.9	88.3	88.3	91.9	92.8	92.8	92.8	93.5	93.8	93.8
≥500	51.4	64.8	66.0	77.8	81.6	83.5	86.4	89.5	89.7	93.8	95.0	95.0	95.0	95.7	95.9	95.9
≥400	51.4	64.8	66.0	77.8	81.6	83.5	86.4	90.4	91.1	95.7	97.1	97.1	97.1	98.1	98.3	98.3
≥300	51.4	64.8	66.0	77.8	81.6	83.5	86.4	90.4	91.1	96.4	97.8	97.8	97.8	98.8	99.8	99.8
≥200	51.4	64.8	66.0	77.8	81.6	83.5	86.4	90.4	91.1	96.4	97.8	97.8	97.8	98.8	99.8	99.8
≥100	51.4	64.8	66.0	77.8	81.6	83.5	86.4	90.4	91.1	96.4	97.8	97.8	97.8	98.8	99.8	99.8
≥0	51.4	64.8	66.0	77.8	81.6	83.5	86.4	90.4	91.1	96.7	98.1	98.1	98.1	99.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 418

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 4710
STATION

COL A J DO BAKER AAF DL
STATION NAME

73-78,81-82
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1980-2000
PERIOD

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	23.4	26.4	26.4	27.1	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
2 2000	28.6	31.9	31.9	32.6	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
2 1800	28.6	32.6	32.6	33.3	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2 1600	28.6	32.6	32.6	33.3	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2 1400	28.6	32.6	32.6	33.3	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
2 1200	29.3	33.3	33.3	34.1	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
2 1000	29.7	33.7	33.7	34.4	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
2 900	29.7	33.7	33.7	34.4	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
2 800	31.5	36.3	36.3	37.0	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
2 700	32.2	37.0	37.0	37.7	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
2 600	32.4	37.7	37.7	38.5	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
2 500	33.7	38.8	38.8	39.6	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
2 450	34.4	39.6	39.6	40.3	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
2 400	37.0	42.9	42.9	44.0	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
2 350	39.6	45.8	45.8	47.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2 300	43.2	50.9	50.9	53.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
2 250	45.4	55.3	55.3	59.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
2 200	48.0	59.3	59.3	65.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
2 180	48.7	60.1	60.1	66.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
2 160	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 140	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 120	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 100	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 900	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 800	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 700	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 600	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 500	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 400	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 300	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 200	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 100	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2 000	50.2	62.3	62.3	71.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0

TOTAL NUMBER OF OBSERVATIONS 273

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710
STATION

COL A J CO BAKER AAF DL
STATION NAME

73-78,80-82
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	210	20	25	24	23	22	22	21	21	20	20	19	19	18	18	17
NO CEILING	24.6	25.6	29.9	29.7	30.0	30.1	30.1	30.2	30.2	30.3	30.3	30.3	30.4	30.7	30.8	30.9
2 20000	29.3	34.4	34.6	35.4	35.7	35.8	35.9	36.0	36.0	36.1	36.1	36.1	36.2	36.5	36.6	36.6
2 8000	29.5	34.5	35.0	35.8	36.1	36.2	36.3	36.4	36.4	36.5	36.5	36.6	36.6	36.9	37.0	37.0
2 6000	29.5	34.8	35.0	35.8	36.1	36.2	36.3	36.4	36.4	36.5	36.5	36.6	36.6	36.9	37.0	37.0
2 4000	29.6	35.0	35.1	35.9	36.3	36.3	36.4	36.5	36.6	36.6	36.7	36.7	36.7	37.1	37.1	37.1
2 2000	30.4	35.8	35.9	36.7	37.1	37.2	37.3	37.3	37.4	37.5	37.5	37.5	37.6	37.9	37.9	37.9
2 1000	31.1	36.5	36.9	37.8	38.1	38.2	38.3	38.4	38.4	38.5	38.5	38.5	38.6	38.9	39.0	39.0
2 900	31.5	37.4	37.5	38.3	38.7	38.8	38.9	39.0	39.0	39.1	39.2	39.2	39.2	39.5	39.6	39.6
2 800	34.9	41.4	41.5	42.3	42.7	42.7	42.9	43.0	43.0	43.1	43.1	43.1	43.2	43.5	43.6	43.6
2 700	36.6	43.3	43.4	44.2	44.6	44.6	44.8	44.9	44.9	45.0	45.0	45.0	45.1	45.4	45.5	45.5
2 6000	37.2	43.9	44.0	44.9	45.2	45.4	45.5	45.6	45.7	45.8	45.8	45.8	45.9	46.2	46.2	46.2
2 500	38.0	45.2	45.3	46.2	46.5	46.7	46.8	46.9	47.0	47.1	47.1	47.1	47.1	47.5	47.5	47.5
2 4500	39.1	46.3	46.4	47.3	47.6	47.8	48.0	48.1	48.1	48.2	48.2	48.2	48.3	48.6	48.7	48.7
2 4000	41.5	49.5	49.6	50.6	51.0	51.2	51.3	51.4	51.5	51.6	51.6	51.6	51.6	52.0	52.0	52.0
2 3500	44.0	52.5	52.7	53.9	54.4	54.6	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.5	55.5	55.5
2 3000	45.5	54.5	54.6	56.6	57.3	57.6	58.0	58.2	58.3	58.3	58.4	58.4	58.4	58.8	58.8	58.8
2 2500	48.1	57.9	58.2	60.8	61.4	61.6	62.0	62.2	62.3	62.4	62.4	62.4	62.4	62.8	62.8	62.8
2 2000	50.2	60.7	61.4	65.3	66.2	66.6	67.2	67.6	67.7	67.8	67.8	67.8	67.8	68.2	68.2	68.2
2 1500	50.7	61.5	62.4	67.0	68.2	68.8	69.4	69.9	70.0	70.1	70.2	70.2	70.2	70.6	70.6	70.6
2 1000	51.7	63.0	64.5	70.6	72.7	73.4	74.5	75.6	75.7	76.4	76.5	76.5	76.6	77.0	77.0	77.0
2 900	52.2	63.8	65.4	72.4	74.7	75.6	77.5	78.9	79.0	79.7	79.9	79.9	80.0	80.3	80.4	80.4
2 800	52.4	64.2	65.9	73.9	76.4	77.5	79.7	81.7	82.0	83.6	83.8	83.9	84.0	84.7	84.4	84.4
2 700	52.4	64.2	65.9	74.0	76.5	77.9	80.2	82.2	82.6	84.2	84.4	84.5	84.6	85.0	85.0	85.0
2 6000	52.4	64.2	66.1	75.1	77.8	79.3	82.4	84.6	85.0	86.8	87.0	87.1	87.3	87.6	87.6	87.6
2 500	52.4	64.2	66.1	75.1	78.0	79.6	82.9	85.4	85.7	87.8	88.4	88.5	88.7	89.4	89.5	89.5
2 4000	52.4	64.2	66.2	75.2	78.3	79.6	83.3	86.0	86.3	89.1	89.8	90.1	90.2	90.9	91.0	91.1
2 3000	52.5	64.3	66.2	75.3	78.4	80.1	83.9	87.2	88.0	91.5	92.6	93.0	93.6	94.6	94.8	94.9
2 2000	52.5	64.3	66.2	75.5	78.5	80.3	84.1	87.7	88.8	92.8	94.1	94.6	95.2	96.5	96.6	96.7
2 1500	52.5	64.3	66.2	75.5	78.5	80.3	84.1	87.7	88.8	93.2	94.6	95.2	95.8	97.8	98.4	98.9
2 1000	52.5	64.3	66.2	75.5	78.5	80.3	84.1	87.7	88.8	93.3	94.6	95.3	96.0	98.3	99.2	99.7
2 900	52.5	64.3	66.2	75.5	78.5	80.3	84.1	87.7	88.8	93.3	94.6	95.4	96.0	98.4	99.4	99.9
2 800	52.5	64.3	66.2	75.5	78.5	80.3	84.1	87.7	88.8	93.3	94.7	95.4	96.1	98.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2514

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710
STATION

COL A J CO BAKER AAF DL
STATION NAME

73-7960-82
YEAR

DLC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1972-1972
NO. OF YEARS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥20000	22.7	26.7	27.1	27.8	28.4	28.8	29.3	29.3	29.3	29.6	30.0	30.0	30.0	30.0	30.9	30.8
17000	26.2	30.5	31.1	32.4	33.0	33.3	33.9	33.9	34.0	34.5	34.8	34.8	35.5	35.5	35.5	35.5
15000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
14000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
13000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
12000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
11000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
10000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
9000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
8000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
7000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
6000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
5000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
4500	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
4000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
3500	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
3000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
2500	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
2000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
1500	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
1000	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
500	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7
0	26.4	31.0	31.3	32.6	33.2	33.5	34.1	34.1	34.1	34.8	35.0	35.0	35.0	35.7	35.7	35.7

TOTAL NUMBER OF OBSERVATIONS 546

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING CLIMATOLOGY BRANCH
AFSLTAC
AFM WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

1 0710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-78,80-82
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	20.2	25.0	25.4	26.0	26.2	26.2	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 2000	24.4	30.2	30.2	31.2	31.3	31.3	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 1800	25.2	31.0	31.3	31.9	32.1	32.1	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 1600	26.2	31.9	32.3	32.9	33.1	33.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1400	26.2	31.9	32.3	32.9	33.1	33.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 1200	26.5	32.3	32.7	33.3	33.5	33.5	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 1000	27.3	33.1	33.7	34.0	34.2	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 900	30.2	36.2	36.5	37.1	37.3	37.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 800	33.0	40.2	40.5	41.3	41.5	41.5	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 700	36.0	43.3	44.7	44.8	45.0	45.0	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 600	36.9	44.2	45.1	45.8	46.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 500	38.5	45.8	46.5	47.3	47.5	47.5	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 400	40.5	48.1	48.9	49.6	49.8	49.8	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 300	44.0	51.7	52.5	53.3	53.5	53.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 200	47.7	56.2	56.7	57.7	57.9	57.9	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 100	51.9	61.5	62.3	63.5	63.8	63.8	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 0	53.3	63.8	64.8	66.5	66.9	66.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 0	55.6	65.6	67.3	69.2	70.0	70.2	71.5	71.5	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9
≥ 0	56.7	67.7	69.2	71.3	72.1	72.3	74.0	74.0	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4
≥ 0	58.8	70.6	72.1	74.2	75.4	75.6	77.5	77.5	77.7	77.7	77.7	77.9	78.1	78.3	78.3	78.3
≥ 0	59.6	72.3	73.8	76.3	77.7	77.9	80.8	80.8	81.0	81.0	81.0	81.2	81.3	81.5	81.5	81.5
≥ 0	60.0	72.9	74.4	77.7	79.2	79.4	83.3	83.8	84.7	84.2	84.4	84.6	85.0	85.0	85.0	85.0
≥ 0	60.0	73.1	74.6	78.7	80.2	80.4	84.2	84.6	85.0	85.2	85.4	85.6	86.0	86.0	86.0	86.0
≥ 0	60.0	73.1	75.0	79.6	81.2	81.9	86.2	86.9	87.1	87.5	88.1	88.3	88.8	89.0	89.0	89.0
≥ 0	60.2	73.5	75.4	80.2	81.7	82.5	86.7	87.9	88.1	88.5	89.0	89.2	89.8	90.0	90.0	90.0
≥ 0	60.2	73.5	75.4	80.4	81.9	82.7	88.3	89.6	90.4	90.8	91.3	91.5	92.1	92.3	92.3	92.3
≥ 0	60.2	73.5	75.8	80.8	82.7	83.5	89.4	91.0	91.7	92.7	94.2	94.4	95.4	95.6	95.6	95.6
≥ 0	60.2	73.5	75.8	80.8	82.7	83.5	89.4	91.2	91.9	93.1	94.8	95.0	96.5	97.3	97.3	97.3
≥ 0	60.2	73.5	75.8	80.8	82.7	83.5	89.4	91.5	92.3	93.8	95.6	96.0	97.7	99.2	99.2	99.2
≥ 0	60.2	73.5	75.8	80.8	82.7	83.5	89.4	91.5	92.3	93.8	95.6	96.0	97.7	99.4	99.8	99.8
≥ 0	60.2	73.5	75.8	80.8	82.7	83.5	89.4	91.5	92.3	93.8	95.6	96.0	97.7	99.4	99.8	100.0
≥ 0	60.2	73.5	75.8	80.8	82.7	83.5	89.4	91.5	92.3	93.8	95.6	96.0	97.7	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1 1710

STATION NAME
COL A J 30 BAKER AAF DL

73-75, PC-82

DATE
1970-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
≥10000	14.7	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
9000	15.5	21.3	21.3	21.3	21.3	21.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	23.1	23.4
8000	17.6	22.3	22.3	22.3	22.3	22.3	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	24.1	24.4
7000	18.6	23.4	23.4	23.4	23.4	23.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	25.2	25.5
6000	18.6	23.4	23.4	23.4	23.4	23.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	25.2	25.5
5000	19.4	24.1	24.1	24.1	24.1	24.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	26.0	26.2
4000	20.7	25.7	25.7	25.7	25.7	25.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	27.5	27.8
3000	22.6	27.6	27.6	27.6	27.6	27.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	29.4	29.7
2000	27.3	33.3	33.3	33.3	33.3	33.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	35.2	35.4
1000	30.4	36.5	36.5	36.5	36.5	36.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	38.2	38.6
6000	31.4	37.8	37.8	37.8	37.8	37.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.9	40.2
5000	32.8	38.8	38.8	38.8	38.8	38.8	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.9	41.2
4000	34.4	40.4	40.4	40.4	40.4	40.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	42.5	42.8
3000	37.5	44.1	44.1	44.1	44.1	44.1	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	46.2	46.5
2000	42.3	49.9	49.9	49.9	49.9	49.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	52.0	52.2
1000	46.2	55.4	55.4	55.4	55.4	55.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.3
6000	49.1	59.8	59.8	59.8	59.8	59.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	63.0	63.3
5000	50.4	62.7	62.7	62.7	62.7	62.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.9	65.2
4000	51.2	63.5	63.5	63.5	63.5	63.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.7	67.0
3000	52.2	66.1	66.1	66.1	66.1	66.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	69.0	69.3
2000	53.1	67.7	67.7	67.7	67.7	67.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	71.1	71.4
1000	53.5	69.6	69.6	69.6	69.6	69.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.5	73.8
6000	53.5	69.6	69.6	69.6	69.6	69.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.3	75.6
5000	53.5	69.6	69.6	69.6	69.6	69.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.7	78.0
4000	53.5	69.6	69.6	69.6	69.6	69.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	79.0	79.3
3000	53.5	69.6	69.6	69.6	69.6	69.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.6	81.9
2000	53.5	69.6	69.6	69.6	69.6	69.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	84.3	84.6
1000	53.5	69.6	69.6	69.6	69.6	69.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.9	87.2
6000	53.5	69.6	69.6	69.6	69.6	69.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	89.0	89.3
5000	53.5	69.6	69.6	69.6	69.6	69.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.4	91.7
4000	53.5	69.6	69.6	69.6	69.6	69.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	94.2	94.5
3000	53.5	69.6	69.6	69.6	69.6	69.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.9	97.2
2000	53.5	69.6	69.6	69.6	69.6	69.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.4	99.7
1000	53.5	69.6	69.6	69.6	69.6	69.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 381

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710

COL A J BO BAKER AAF DL

73-78,81-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
25000	10.0	14.0	14.0	17.0	17.0	17.0	18.0	18.0	18.0	18.0	18.5	18.5	18.5	19.5	20.5	21.5
20000	13.5	18.0	18.0	21.0	21.0	21.0	22.0	22.0	22.0	22.0	22.5	22.5	22.5	22.5	24.5	25.5
18000	13.5	18.0	18.0	21.0	21.0	21.0	22.0	22.0	22.0	22.0	22.5	22.5	22.5	22.5	24.5	25.5
16000	13.5	18.0	18.0	21.0	21.0	21.0	22.0	22.0	22.0	22.0	22.5	22.5	22.5	22.5	24.5	25.5
14000	13.5	18.0	18.0	21.0	21.0	21.0	22.0	22.0	22.0	22.0	22.5	22.5	22.5	22.5	24.5	25.5
12000	14.5	19.0	19.0	22.0	22.0	22.0	23.0	23.0	23.0	23.0	23.5	23.5	23.5	23.5	25.5	26.5
10000	15.0	19.5	19.5	22.5	22.5	22.5	23.5	23.5	23.5	23.5	24.0	24.0	24.0	24.0	26.0	27.0
9000	15.5	21.0	21.0	24.0	24.0	24.0	25.0	25.0	25.0	25.0	25.5	25.5	25.5	25.5	27.5	28.5
8000	21.0	26.0	26.0	31.0	31.0	31.0	32.0	32.0	32.0	32.0	32.5	32.5	32.5	32.5	34.5	35.5
7000	22.5	27.5	27.5	32.5	32.5	32.5	33.5	33.5	33.5	33.5	34.0	34.0	34.0	34.0	36.0	37.0
6000	22.5	27.5	27.5	32.5	32.5	32.5	33.5	33.5	33.5	33.5	34.0	34.0	34.0	34.0	36.0	37.0
5000	22.5	30.0	30.0	33.0	33.0	33.0	34.0	34.0	34.0	34.0	34.5	34.5	34.5	34.5	36.5	37.5
4500	27.0	30.0	30.0	33.0	33.0	33.0	34.0	34.0	34.0	34.0	34.5	34.5	34.5	34.5	36.5	37.5
4000	24.0	31.0	31.0	34.0	34.0	34.0	35.0	35.0	35.0	35.0	35.5	35.5	35.5	35.5	37.5	38.5
3500	30.0	37.5	37.5	40.5	40.5	40.5	41.5	41.5	41.5	41.5	42.0	42.0	42.0	42.0	44.0	45.0
3000	34.5	42.5	42.5	45.5	45.5	45.5	46.5	46.5	46.5	46.5	47.0	47.0	47.0	47.0	49.0	50.0
2500	38.0	46.0	46.0	51.0	51.0	51.0	52.0	52.0	52.0	52.0	52.5	52.5	52.5	52.5	54.5	55.5
2000	39.5	49.0	49.0	55.0	55.0	55.0	56.0	56.0	56.0	56.0	56.5	56.5	56.5	56.5	58.5	59.5
1800	39.5	49.5	50.0	56.0	56.0	56.0	57.0	57.0	57.0	57.0	57.5	57.5	57.5	57.5	59.5	60.5
1600	39.5	50.0	50.5	56.5	56.5	56.5	57.0	57.0	57.0	57.0	57.5	57.5	57.5	57.5	59.5	60.5
1400	40.5	52.0	52.5	61.0	61.0	61.0	64.5	64.5	64.5	64.5	66.0	66.0	66.0	66.0	68.5	69.5
1200	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
1000	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
900	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
800	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
700	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
600	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
500	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
400	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
300	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
200	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
100	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0
0	41.5	55.0	55.5	64.0	64.0	64.0	67.0	67.0	67.0	67.0	70.5	70.5	70.5	70.5	72.0	73.0

TOTAL NUMBER OF OBSERVATIONS 200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 710 COL A J 80 BAKER AAF DL

73-79, ED-62

DEC

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	20.3	24.1	24.3	24.9	25.1	25.2	25.7	25.7	25.7	25.9	26.0	26.0	26.0	26.0	26.5	26.6
≥ 20000	24.2	28.9	29.1	29.9	30.1	30.2	30.7	30.7	30.7	31.0	31.1	31.1	31.1	31.1	31.7	31.7
≥ 18000	24.7	29.4	29.6	30.4	30.6	30.7	31.2	31.2	31.2	31.5	31.5	31.6	31.6	32.1	32.2	32.2
≥ 16000	25.1	29.8	30.0	30.8	31.0	31.1	31.6	31.6	31.6	31.9	31.9	32.0	32.0	32.5	32.6	32.6
≥ 14000	25.1	29.8	30.0	30.8	31.0	31.1	31.6	31.6	31.6	31.9	31.9	32.0	32.0	32.5	32.6	32.6
≥ 12000	25.5	30.2	30.4	31.3	31.5	31.6	32.1	32.1	32.1	32.3	32.4	32.4	32.4	32.9	33.0	33.1
≥ 10000	26.8	31.6	31.9	32.8	32.9	33.0	33.6	33.6	33.6	33.9	33.9	33.9	33.9	34.4	34.5	34.5
≥ 9000	28.7	33.6	33.9	34.7	34.9	34.9	35.5	35.5	35.5	35.7	35.8	35.8	35.8	36.3	36.4	36.5
≥ 8000	31.4	37.1	37.3	38.3	38.4	38.5	39.1	39.1	39.1	39.3	39.4	39.4	39.4	39.9	40.0	40.0
≥ 7000	33.7	39.5	39.9	40.8	41.0	41.1	41.6	41.6	41.6	41.9	41.9	42.0	42.0	42.5	42.6	42.6
≥ 6000	34.7	40.1	40.5	41.4	41.6	41.7	42.3	42.3	42.3	42.6	42.6	42.7	42.7	43.2	43.3	43.3
≥ 5000	35.4	41.3	41.7	42.6	42.8	42.9	43.5	43.5	43.5	43.8	43.8	43.8	43.8	44.3	44.4	44.5
≥ 4500	37.1	42.9	43.3	44.2	44.4	44.5	45.1	45.1	45.1	45.4	45.4	45.5	45.5	46.0	46.0	46.1
≥ 4000	39.8	46.2	46.5	47.5	47.7	47.8	48.4	48.4	48.4	48.7	48.7	48.8	48.8	49.3	49.4	49.4
≥ 3500	43.5	50.4	50.8	51.9	52.1	52.2	52.8	52.8	52.8	53.1	53.2	53.2	53.2	53.7	53.8	53.9
≥ 3000	47.2	55.6	56.2	57.4	57.9	58.0	58.7	58.7	58.7	59.0	59.0	59.1	59.1	59.6	59.7	59.7
≥ 2500	49.9	59.1	59.9	62.1	62.7	62.9	63.7	63.7	63.7	64.0	64.1	64.1	64.1	64.7	64.7	64.8
≥ 2000	51.3	61.7	62.6	65.5	66.3	66.5	67.5	67.6	67.7	68.2	68.3	68.3	68.3	68.9	68.9	69.0
≥ 1800	52.2	62.9	63.4	66.9	67.8	68.1	69.1	69.3	69.4	70.0	70.1	70.1	70.1	70.6	70.7	70.8
≥ 1600	53.4	64.8	65.8	69.4	70.7	71.1	72.9	73.2	73.3	74.0	74.1	74.2	74.2	74.8	74.9	74.9
≥ 1400	54.1	66.5	67.5	71.5	73.2	73.6	76.2	76.6	77.0	77.7	77.9	78.1	78.1	78.7	78.7	78.8
≥ 1200	54.4	67.2	68.3	72.8	75.1	75.6	79.1	80.6	80.9	81.9	82.4	82.6	82.7	83.3	83.4	83.4
≥ 1000	54.5	67.4	68.5	73.3	75.7	76.4	79.8	81.3	81.7	82.8	83.4	83.5	83.6	84.2	84.3	84.3
≥ 900	54.5	67.5	68.6	74.0	76.7	77.7	81.6	83.6	84.1	85.9	86.6	86.8	86.9	87.6	87.7	87.7
≥ 800	54.5	67.7	68.9	74.3	77.0	78.0	81.9	84.2	84.7	86.9	87.6	87.8	88.1	88.7	88.8	88.8
≥ 700	54.5	67.7	68.9	74.4	77.2	78.3	82.8	85.1	85.9	88.4	89.3	89.5	89.8	90.5	90.6	90.6
≥ 600	54.5	67.7	69.1	74.9	77.8	79.0	84.2	86.6	87.4	90.7	92.0	92.5	93.1	93.9	94.0	94.1
≥ 500	54.5	67.7	69.1	74.9	77.8	79.0	84.2	86.6	87.4	91.0	92.5	93.1	94.2	95.4	95.6	95.7
≥ 400	54.5	67.7	69.1	74.9	77.8	79.2	84.4	86.9	87.9	91.5	93.1	93.7	95.3	97.2	97.6	97.7
≥ 300	54.5	67.7	69.1	74.9	77.8	79.2	84.4	86.9	88.0	91.7	93.3	94.0	96.0	98.3	99.3	99.4
≥ 200	54.5	67.7	69.1	74.9	77.8	79.2	84.4	86.9	88.0	91.7	93.3	94.0	96.0	98.3	99.3	99.9
≥ 100	54.5	67.7	69.1	74.9	77.8	79.2	84.4	86.9	88.0	91.7	93.3	94.0	96.0	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

2235

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

() Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/HAL

PSYCHROMETRIC SUMMARY

17 710	0 L A J 0 BAKER AAF IL
STATION	STATION NAME

73-78, E-2-2?

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PAGE 1

7073-0300

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
7 / 4																		3	7					
7 / 47																		1	1					
47 / 43																		5	5	2				
47 / 41																		14	14	7				
7 / 37																		17	17	4				
7 / 35																		15	15	9				
7 / 33																		30	30	19				
7 / 31																		40	40	46				
37 / 33																		47	47	57				
7 / 27																		32	32	49				
7 / 25																		43	43	51				
7 / 23																		65	65	64				
7 / 21																		68	68	67				
21 / 21																		50	50	41				
21 / 17																		42	42	44				
7 / 17																		12	12	24				
7 / 15																		10	10	12				
7 / 13																		8	8	7				
7 / 11																		9	10	10				
7 / 9																		19	20	18				
7 / 7																		31	31	30				
7 / 5																		10	10	10				
7 / 3																		1	1	1				
7 / 1																		1	1	1				
7 / -1																		4	4	4				
7 / -3																		19	19	16				
-3 / -15																		1	1	1				
TOTAL	52.73	9.6	5.1	1.2	.9	.2	.3											503	583	503				

Element (X)	Σx ²	Σx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4876534	52770	99.9	10.470	583	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	455647	15280	26.1	10.719	586	3.3	55.7					93
Wet Bulb	430944	14744	25.3	9.989	583	3.3	69.6					93
Dew Point	377248	13758	23.6	9.505	583	3.3	80.4					93

2

2

73-74, 82-82

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

11.

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1270-1450

HOURS (L, S, T)

[illegible]

2

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442

STATION

STATION NAME

YEAR

CONTENTS

PAGE 1

1550-2000

HOURS 11. 5. 7.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 47			.4															1	1																
4 / 45																		2	2																
4 / 43		1.2		.4														4	4	2															
1 / 41		2.0	4.7	.4	.6													23	23	5	1														
4 / 39		.4	2.7	4.7	.8													11	11	8	6														
1 / 37		5.9	2.7	.4														21	21	14	5														
7 / 35	1.2	1.5	2.3															27	23	32	16														
2 / 33	4.7	.5	.9															23	23	33	25														
7 / 31	3.1	7.7	.5															28	27	37	35														
1 / 29	2.7	5.5	.5															23	23	28	31														
7 / 27	8.7	1.2																24	24	25	39														
1 / 25	6.5	2.7																24	24	23	32														
7 / 23	3.1	7.0																13	13	15	14														
2 / 21	2.0	.4																6	6	6	17														
7 / 19	1.2																	7	7	4	6														
1 / 17	2.3																	6	6	6	7														
1 / 15	1.5																	4	4	4	6														
1 / 13	1.2																	3	3	3	2														
1 / 11	1.5																	4	4	4	6														
1 / 9	.4																	1	1	1	1														
1 / 7	.4																	1	1	1	1														
1 / 5	.4																	1	1	1	1														
Total	41.2	39.5	16.2	2.0	1.5														256	256	256														

Element (X)	Σx^1	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	14.63	22.31	68.	11.163	256							
Dry Bulb	261.21	7947	31.	7.761	256		51.2					93
Wet Bulb	237.474	7619	29.8	6.796	256		57.8					97
Dew Point	206.139	7079	27.7	6.383	256		73.4					93

PSYCHROMETRIC SUMMARY

73-75, 80-82

YEARS

PAGE 7

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
5 / 55																		1	1					
4 / 53			.3	.3	.3	.3	.3	.3										6	6					
3 / 51			.7	.7	.7	.7	.7	.7										13	13					
2 / 49			1.1	1.1	1.1	1.1	1.1	1.1										15	15	1				
1 / 47			1.5	1.5	1.5	1.5	1.5	1.5										27	27	3				
0 / 45		.1	.7	.7	.7	.7	.7	.7										43	43	12				
47 / 43	1.3	1.4	1.1	.7	.1													57	57	35				
37 / 41	.7	1.7	3.3	1.2	.7													154	164	71				
27 / 39	.1	3.2	3.0	.3														153	153	112				
17 / 37	.3	4.2	2.5	.3														169	169	147				
7 / 35	.7	4.8	1.5	.3														171	171	293				
3 / 33	3.6	4.3	.6	.3														197	197	292				
2 / 31	2.1	4.6	.4															156	166	234				
1 / 29	2.3	6.2	.4															224	224	244				
0 / 27	3.3	2.5	.2															223	223	336				
-1 / 25	4.7	2.3	.1															159	159	141				
-2 / 23	3.7	2.5																144	144	191				
-3 / 21	2.3	.8																44	15	92				
-4 / 19	1.4	.3																41	42	41				
-5 / 17	1.4	.1																34	35	41				
-6 / 15	1.7	.2																44	44	44				
-7 / 13	1.3	.2																28	29	32				
-8 / 11	1.5	.1																41	44	41				
-9 / 9	1.3	.1																44	44	44				
-10 / 7	.7																	16	15	16				
-11 / 5	.3																	5	5	5				
-12 / 3	.1																	2	2	2				
-13 / 1	.2																	5	6	6				
-14 / -1	.3																	25	25	25				
-15 / -3	.3																	1	1	1				
-16 / -15	.1																	2	2	2				
TOTAL	3.8	36.0	15.7	4.6	1.3	.6	.4	.1										2339	2347	2339				
																		2339	2339					

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	17621391	201775	85.2	13.326	2339	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	24274711	71981	31.7	9.680	2347	7.7	409.2					744
Wet Bulb	2157163	68223	29.2	8.458	2339	7.7	452.6					744
Dew Point	1805798	62410	26.7	7.753	2339	7.3	595.5					744

CENTRAL CLIMATOLOGY BRANCH
OF METAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

1 717 JUL 4 J 0 345E BAF PL
STATION STATION NAME

44-73,60-52

YEARS

15.
MONTH

Page 1

2021-09-01
HOURS 11.5, 1.1

[illegible]

PSYCHROMETRIC SUMMARY

73-75,90-100

55 -

YEARS

MONTH

24. 5. 1

7525-115

HOURS (L, S, T)

[illegible]

U.S. NATIONAL CLIMATOLOGY BRANCH
WASHDC
A WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 717	COL A J BO PAKEN AAF DL
STATION	STATION NAME

73-72, 80-42

134

STATION

STATION NAME

YEARS

PAGE 1

MONTH

1570-1700

HOURS 11 5 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
7/ 56																		3	5							
7/ 57																		1	1							
5/ 57																		1	1							
4/ 53							1.7	.7	.5									12	12							
7/ 51					.2	.7	.7	.2										8	4							
7/ 4					.2		.2											4	4	2						
7/ 47				.7	.7	1.2												14	14	1						
4/ 45			.2	.5	2.7	2.2	1.7	.5										29	29	3						
4/ 43				2.7	4.2	.7	.7											32	32	16						
7/ 41		1.2	2.2	.7		.2												18	18	18						
7/ 37	.2	1.7	4.9	1.2	.7													31	31	42	6					
7/ 37	1.7	3.4	3.4	1.	.2													40	40	46	13					
7/ 35	.5	3.2	2.7	.5														28	24	43	26					
3/ 33	4.4	3.7	.7															36	36	42	34					
7/ 31	2.7	4.4	.2	.5														39	29	45	57					
7/ 28	1.2	6.2	.7	.2														34	34	36	56					
7/ 27	5.4	5.7	.2															46	45	44	81					
7/ 25	3.	.7	.2															16	16	27	33					
7/ 23	2.7	1.5																14	14	12	50					
7/ 21	1.2	.2																6	6	11	13					
7/ 15	1.5																	4	4	5	12					
7/ 17																					17					
7/ 15																					4					
7/ 13																					2					
7/ 11																					1					
TOTAL	22.7	31.5	19.3	11.6	6.2	5.9	1.7	.7										406	406	406	406					

Element (X)	Σx ²	Σx	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	2011222	31.46	76.5	18.45	406	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	559445	14691	36.2	8.293	406	30.8					64
Wet Bulb	457455	13423	33.1	5.844	406	38.3					64
Dew Point	342667	11597	28.6	5.308	406	66.2					86

U.S. NAVAL CLIMATOLOGY BRANCH
METEC
WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

1 710	COL A J C BAKER AAF DL
STATION	STATION NAME

73-72, 20-12

YEARS

553
MONTH

PAGE 9

18-0-2000
HOURS (L.S.T.)

[illegible]

SURFAL CLIMATOLOGY BRANCH
 LIAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1710	COL A J O BAKE AAF DL
STATION	STATION NAME

17-78, 80-82

YEARS

FEB
MONTH

FILE :

ALL
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point										
/ 50						.1												4	4											
/ 57																		3	3											
5 / 55								.1										4	4											
6 / 52								.2	.1									19	19											
/ 51								.3	.2									19	19											
/ 47								.3	.1									25	24	4										
/ 47								.5	.1									44	44	1										
5 / 46			.1	.5	1.4	1		.6	.1									67	67	7										
4 / 45			.1	1.5	1.5	.4		.2										90	90	42										
/ 41	.1	1.2	2.0			.1		.1										99	98	67										
/ 37	.7	1.6	3.2	.7	.7													140	140	133										
/ 37	1.2	3.5	1.8	.9	.1													166	166	172										
/ 37	1.2	4.9	2.8	.3														214	214	271										
5 / 33	4.7	3.8	1.2															229	229	300										
/ 31	2.7	3.7	.6															153	153	251										
/ 27	3.5	1.2	1.0	.1														220	220	242										
/ 27	6.9	3.5	.9															256	256	265										
/ 25	4.6	1.8	.2															157	158	175										
/ 25	3.7	2.0	.2															141	141	143										
2 / 21	3	.9																91	91	104										
/ 18	2.2	.4																62	63	74										
/ 17	1.3	.3																37	37	43										
/ 15	1.3	.3																12	32	35										
/ 13	.4	.3																11	11	12										
1 / 11	.	.2																23	23	23										
/ 7	.6	.3																16	16	16										
/ 7	.1																	5	3	3										
/ 3																				1										
TOTAL	37.6	33.2	15.9	2.0	6.0	3.6	2.5											2343	2345	2343										
																		2343		2343										
Element (X)	Σx²		Σx		X		Σx		No. Obs.		Main No. of Hours with Temperature																			
Rel. Hum.	1681 2547		1553.5		83.4		6.040		2343		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total							
Dry Bulb	260 1870		75434		32.2		8.639		2345				345.0										672							
Wet Bulb	225 2452		70800		30.2		6.947		2343				397.5										672							
Dew Point	181 3979		63435		27.1		6.420		2343				540.4										672							

USAFETAC
FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUM

STATION 1710 COL A J. N. BAKER AAF FL
STATION NAME

73-78, 80-82

YEARS

MAR

MONTH

PAGE 1 7600-0900

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
7 57																		1	1						
7 55																		1	3						
7 53																		2	2						
7 51																		2	2						
7 49																		4	4						
7 47																		6	6						
7 45			1.1	.5	.5	.3												10	20	11	1				
7 43		.5	.3	1.3	.7													15	19	19	7				
7 41		1.1	1.9	2.4														34	34	20	13				
7 39		1.5	3.3	1.9														43	43	37	22				
7 37		1.7	4.6	1.4	.3													71	51	44	31				
7 35		2.1	5.4	1.7														58	58	55	43				
7 33		4.6	4.6	1.3														66	66	60	70				
7 31		4.1	4.7	.3														59	59	78	73				
7 29		3.8	6.5	.3														61	61	72	62				
7 27		3.4	3.6	.3														79	79	83	38				
7 25		3.9	1.7	.2														37	37	43	69				
7 23		1.3	2.2	.2														23	23	19	42				
7 21		1.1	1.5															17	17	14	23				
7 19		1.5	.6															9	9	16	17				
7 17		1.1	.2															6	6	11	12				
7 15		.7	.2															7	8	7	11				
7 13		.2	.2															2	2	3	5				
7 11		.5	.5															7	7	7	5				
7 9		.2	.2															2	2	2	3				
7 7		.2																1	1	1	4				
7 5																					1				
7 3																					1				
7 1																					1				
TOTAL	25.6	43.8	12.3	7.1	.6	.9	.5	.2										634	634	634	634				
																					634		634		
Element (X)	Z ₁	Z ₂	X	%	No. Obs.	Mean No. of Hours with Temperature						Total													
Rel. Hum.	75.75	55.68	83.1	12.21	634	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	75.75	55.68	83.1	12.21	634		45.8					63													
Wet Bulb	67.039	70.77	31.7	7.441	634		51.8					93													
Dew Point	59.608	18.732	29.5	7.662	634		62.5					93													

USAFET, C FORM 0-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

502

PAGE 1

1200-1400

HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE APR 64

UŠAFETAC

GLOBAL CLIMATOLOGY BRANCH
JLSTAC
AIR MAILER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 71	COL A J LO BAKER AAF IL
STATION	STATION NAME

73-78, 50-67

442

YEARS

MONTH

PAGE 1 100-2720

HOURS (L, S, T.)

[illegible]

USAFETAC
FORM
HH 04
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14710	COL A J C PAKER AAF DL
STATION	STATION NAME

73-70, EL-62

YEARS

542

MONTH

PAGE 1

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HOURS (L, S, T)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

CLIMAT CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1071.	CPL A J JOHNSON - AAF DL
STATION	STATION NAME

73-72, 82-52

YEARS

4 A L
MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/																																				
/																																				
/																																				
/																																				
	17.1	16.3	15.7	15.0	14.3	13.6	12.9	12.2	11.5	10.8	10.1	9.4	8.7	8.0	7.3	6.6	5.9	5.2	4.5	3.8	3.1	2.4	1.7	1.0	0.3	-0.4	-1.1	-1.8	-2.5	-3.2	-3.9	-4.6	-5.3	-6.0	-6.7	-7.4

Element (X)	Σx^2	Σx	\bar{x}	σ_n	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	16174.18	198922	76.619	1.10	2597	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$		
Dry Bulb	4412542	13496	32.810	587	2597		197.2	5.4	.0			744	
Wet Bulb	301672	4434	36.4	140	2597		246.4					744	
Dew Point	266669	83174	32.0	7418	2597	.3	405.0					744	

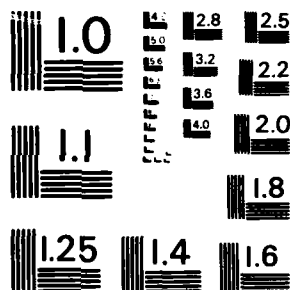
AD-A134 209

COL A J BO BAKER AAF GERMANY (WEST) LIMITED SURFACE
OBSERVATIONS CLIMATIC..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 83
UNCLASSIFIED USAFETAC/DS-83/034 SBI-AD-E850 427 F/G 4/2

3/9

NI

END
DATE
FORM
1283
6-2



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
OSMETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1	710	COL A J SO BAKE	AAF DL
	STATION	STATION NAME	

13-78, 60-62

YEARS

APP

MONTH

PAGE 1

2910-1110
HOURS: 11:30-1:30

[illegible]

FEATHER SERVICE/MAC

2

A 35

MONTH

1270-1450

HOURS (L, S, T,)

USAFETYAC

GLOBAL CLIMATOLOGY BRANCH
SACDETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1	715	COL A J SO BAKER AAF DL
STATION		STATION NAME

73-77, 80-82

YEARS

ADP
MONTH

PAGE 1 150-1700
MOORE, J. S. T.

[illegible]

4. LEATHER SERVICE/MAN

PSYCHROMETRIC SUMMARY

SHORT TIME

1277-278:

HOURS 11.5 - 2.0

[illegible]

Element (X)	Z_1'	Z_1	H	ϕ_s	No. Obs.	Mean No. of Hours with Temperature						Total
						$\pm 0^\circ\text{F}$	$\pm 32^\circ\text{F}$	$\pm 67^\circ\text{F}$	$\pm 73^\circ\text{F}$	$\pm 80^\circ\text{F}$	$\pm 93^\circ\text{F}$	
Rel. Hum.	14161.4	18528	71.0	19.732	261							96
Dry Bulb	53636.9	11585	44.4	9.229	261		8.3					50
Wet Bulb	42311.6	10774	39.7	6.430	261		15.4					96
Dew Point	31795.1	8073	34.4	6.034	261		39.0					96

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

YEARS

40-

MONTH

ALL

HOURS 11.5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
77 71																		1	1																	
77 69				.3	.5				.1	.3	.1							7	7																	
77 67			.1	.3				.1	.1	.1								10	10																	
77 65		.3	.5					.4	.3	.3								16	26	4																
77 63		.2	.3	.1	.1	.2	1.1	.4	.4	.1								59	69	5	7															
77 61			.1	.2	.1	.1	.3	.4	.4	.1								57	57	6																
77 59		.1	.1		.4	.7	1.6	.7	.2									93	93	7	5															
77 57		.3	.1	.2	.4	1.2	1.8	.3										97	97	6	6															
77 55	.1	.2	.2	.3	.4	1.4	1.5	.3	.1									105	105	12	11															
77 53	.3	.3	.4	.7	1.1	1.3	.3	.1										95	95	12	8															
77 51		.2	.7	.7	1.4	1.6	.4	.1										106	106	13	17															
77 49		.8	.8	.7	.7	.2	.2											133	133	16	17															
77 47		.8	.9	1.4	.7	.7												117	117	176	15															
77 45	.7	2.2	2.4	1.5	1.4	.2												210	210	178	152															
77 43	.3	1.1	1.5	.9	.7	.7												112	112	213	89															
77 41	.4	2.8	2.4	1.2	.9	.7												167	167	195	150															
77 39	.7	3.5	1.8	1.1	.7													183	180	179	175															
77 37	1.4	2.4	1.6	.4														171	171	269	269															
77 35	1.7	4.4	1.7	.1														192	163	223	237															
77 33	4.9	4.9	.4															248	248	313	275															
77 31	2.4	3.2	.1	.7														142	142	256	313															
77 29	1.6	2.2	.1															95	95	136	282															
77 27	1.7	.7	.7															59	59	51	213															
77 25		.1																3	3	7	105															
77 23		.1																10	10	9	153															
77 21	.1																	2	2	3	23															
77 19	.5																	1	1		13															
77 17																				1	3															
77 15																					2															
TOTAL	15.931	315.9	9.4	9.7	7.0	7.0	2.7	1.5	.4										2458		2458															

Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	14271665	180225	73.3	20.744	2458	≤ 32 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4718718	177104	43.6	10.160	2459		91.4	5.3				720
Wet Bulb	3513154	96678	30.3	7.172	2458			139.6				720
Dew Point	2992911	84209	34.3	6.629	2458		320.5					720

0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

484

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7400-1140

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
77																		1	1													
76									.3									2	2													
75										.2								5	5													
74											.2							9	9													
73												.2						18	18													
72													.2					20	20													
71														.2				26	26													
70															.2			56	56	1	4											
69																.2		55	55	3	1											
68																		51	51	12												
67																		50	50	45	2											
66																		45	45	48	13											
65																		42	42	63	16											
64																		44	44	62	30											
63																		35	36	75	33											
62																		48	49	70	65											
61																		51	61	78	101											
60																		24	24	66	76											
59																		18	18	47	82											
58																		10	10	13	66											
57																		6	6	15	63											
56																		7	7	12	37											
55																		1	1	3	28											
54																					4											
53																					5											
52																					1											
TOTAL	2.62	2.21	7.81	6.41	11.71	5.2	9.5	4.1	1.6	.5		.2						639		639	639											

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	311367	43158	67.5	17.651	639	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1982557	5165	55.1	8.618	639			8.0	1.2			93
Wet Bulb	1553766	31272	49.9	6.49	639			.9				93
Dew Point	1233468	27788	43.5	6.267	639		1.5					93

PSYCHROMETRIC SUMMARY

73-79,90-82

YEARS

4 A Y
MONTH

1220-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7 / 7																		2	7																
7 / 77																		7	7																
47 / 75				.2	.2					.2	.2							7	7																
47 / 73			.3	.2				.7	1.1	1.2	.2	.7						26	28																
47 / 71			.3				.2	.7	1.1	.5		.2						17	17																
47 / 69					.2	1.0	1.2	2.3	.2	.3								15	35	4															
47 / 67			.2	.2	.2	1.1	.2	1.5	.7									24	24	3	3														
47 / 65			.3			.7	1.3	2.3	1.5	.2								21	31																
47 / 63		.2	1.7	2.5	1.4	2.6	1.6	2.1	.3									25	25	2															
47 / 61		.3	1.1	.7	.8	2.3	1.3	.7	.2									46	46	14	3														
47 / 59		.3	.7	1.2	3.1	2.9	1.7	.2										55	59	27	2														
47 / 57		.3	.2	1.6	1.3	1.5	.7											34	34	62	5														
47 / 55		.5	.8	1.3	2.7	1.5	.2											38	39	57	14														
47 / 53		.3	1.1	2.3	.5	1.1	.2											34	34	62	22														
47 / 51		.7	1.2	2.3	1.3	.2												33	33	74	27														
47 / 49		1.7	1.5	1.2	.7													25	25	65	30														
47 / 47	.3	1.6	1.6	.7	.3													26	29	58	57														
47 / 45	1.1	3.6	.8	.2	.2													36	36	76	97														
47 / 43	.3	2.1	.3															17	17	46	80														
47 / 41	.5	2.5	.3															20	20	27	84														
47 / 39	.2	.7																5	5	14	57														
47 / 37	1.1	.3																9	9	12	51														
47 / 35	.5																	2	2	4	3														
37 / 33																					21														
37 / 31																					3														
37 / 29																					2														
37 / 27																					2														
TOTAL	3.7	14.7	11.6	14.2	12.2	15.9	10.1	10.6	3.3	1.6	2.0								611	611	611														

Element (X)	Σx²	Σx	Σ	Σ²	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2595879	38085	62.3	19.75	611	≤ 0 F	≤ 32 F	≤ 47 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2128137	35593	58.3	9.471	611			18.3	6.7	.2		33
Wet Bulb	1592438	30958	57.7	6.255	611			1.1				61
Dew Point	1213157	26937	44.1	6.477	611		1.2	1.5				9

FATHER SERVICE / RAC

PSYCHROMETRIC SUMMARY

MAY

MONTH

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
7 76																		2	2																
7 77										.6		.8	.6					9	9																
6 77										.2								5	5																
4 74									.6		1.1	.2						11	12																
7 71							.4	1.1	1.3	.9	.4							22	23																
7 69							.4	1.3	1.5	1.3	.9							26	26																
5 67						1.1	1.1	.8	1.5		.4							22	22	1															
6 65				.6		.8	1.3	3.4	.2									32	32																
4 63		1.3	1.1	1.5	1.7	3.4	1.5	1.5	.2									60	63	3	1														
7 61		.2	1.5	.2	1.5	1.1	.6	.5	.6									30	33	21	6														
7 59			.2	1.9	1.3	4.3	3.4	.2										48	48	25	8														
7 57		.4	.2	.6	.9	.6	1.7	.2										20	20	44	3														
5 55		1.1	.5	1.3	1.1	2.1												29	29	48	14														
4 53	.4	.6	.2	1.5	.6	1.3	.2											26	26	61	17														
7 51	.4	1.3	1.5	1.7	.5	.4												28	25	54	30														
7 49	.2	1.3	.8	.9		.2												16	16	41	24														
5 47		1.7	.9	.5														15	15	45	38														
4 45	.4	3.2	.4	.2														20	20	39	71														
4 43	.2	3.4	.2	.2														19	19	36	65														
7 41	.2	3.2	.6															15	19	26	66														
5 39	1.1	.4																7	7	17	55														
7 37	.2																	1	1	4	23														
7 35		.2																1	1	1	26														
7 33																					19														
7 31																					5														
7 29																					3														
7 27																					3														
7 25																					1														
TOTAL	7.21	15.5	9.7	15.7	9.9	17.0	17.5	9.0	3.6	3.0	1.1	.9						466	467		466														

Element (X)	ΣX ²	ΣX	\bar{X}	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1964243	28795	61.8	19.943	465	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Dry Bulb	1051355	27415	59.7	9.456	467			19.1	5.2	.4		93
Wet Bulb	1223219	23705	59.9	6.111	466			.2				93
Dew Point	926914	20552	44.1	6.641	466		2.4					93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

1-710	COL A J MO BAKER AAF DL
STATION	STATION NAME

73-77, 81-82

YEARS

427
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1	710	COL A J LO BAKER AAF DL
	STATION	STATION NAME

73-75, cc-32

YEARS

PAY
MONTH

5-10-13

All

HOURS (L, S, Y,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
1 / 79												.1						3	4																
7 / 77												.1	.2					12	12																
10 / 75				.0	.1				.1	.1	.1	.1						12	12																
14 / 73			.1	.0				.3	.5	.3	.5	.2						47	49																
17 / 71			.2	.3			.2	.3	.6	.4	.1	.5						50	53																
21 / 69			.1				.3	1.1	1.1	1.1	.5	.3						52	58		4														
25 / 67			.2	.3	.3	.8	.5	.5	.2	.1								74	74	10		3													
29 / 55		.0	.2			.2	1.1	1.0	.6	.2								124	104			7													
34 / 53		.4	.4	1.5	1.2	2.2	1.3	1.1	.7									220	220		7	7													
39 / 51		.2	.2	.8	1.1	1.7	1.1	.7	.2									171	171	42		11													
44 / 50		.3	.5	1.4	2.1	2.6	1.7	.1										214	214	79		10													
49 / 57		.2	.6	1.3	1.3	1.7	.5											139	139	174	15														
54 / 55		.9	1.1	1.9	1.2	1.4	.1											173	173	191	57														
59 / 53	.4	1.3	1.4	1.3	.1	1.7	.1											165	165	239	74														
64 / 51	.1	1.4	1.7	2.0	1.1	.3												172	172	290	113														
69 / 49	.2	1.2	1.9	1.1	.1	.2												124	124	279	126														
74 / 47	.9	2.5	2.3	.8	.2													175	175	262	220														
79 / 45	1.5	4.9	2.7	.6	.2													230	230	312	405														
84 / 43	.6	3.7	.8	.2														136	136	254	341														
89 / 41	.6	3.8	.8	.1	.0													142	142	109	354														
94 / 39	.7	1.2	.5	.0														64	64	117	290														
99 / 37	.7	.7	.0															37	37	67	215														

FORM 0-26.5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

GLOBAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
1 4710	COL A J G BAKE AAF DL

73-75, 80-82

YEARS

435

545

2014-2000

HOURS 16, 5, 9,

[illegible]

YEARS _____ MONTH _____
 PAGE 1 120-1400
 HOURS (L. S. T.) _____

1715	COL A J D BAKER AAF DL
STATION	STATION NAME

73-78, 85-82

YEAR:

39
MONT

PAGE 1 125-1400
HOURS 11.5.11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
7/ 71		.5	1.1						1.2	1.2								24	24															
7/ 72			.4	.4					1.6	1.6								21	21	3	3													
7/ 77				.5					1.9	1.1	.5	.2						27	27	6	3													
7/ 75		.4	.2			.5	.3	1.1	1.9	.5								41	41	2	3													
7/ 73				.4		1.1	1.4	2.3	.5									36	36	4	2													
7/ 71					.2	1.1	1.6	1.1	.2									32	32	2	4													
7/ 55					.1	1.1	1.4	1.1	.2									31	31	1	2													
7/ 67						.7	1.6	.5	.7									32	32	2	2													
6/ 65		.2		1.1	1.1	2.3	1.1	.4										45	45	15														
7/ 63	.4	.7	.7	1.9	1.6	3.2	1.1	.2										54	59	38	3													
7/ 61		1.1	.5	1.1	.4	1.1	.4											32	32	61	4													
7/ 59	.2	1.1	.2	1.5	.2	.2	.4											26	26	70	26													
7/ 57		1.9	.7	.4	1.2	.4	.2	.4										29	29	52	48													
5/ 55		2.5	.7	1.6	1.2	.4												40	40	64	42													
7/ 53	.2	1.1	.9	1.1	.7	.2												35	34	57	62													
7/ 51	.4	1.4	.4	.7	.2													20	20	45	69													
7/ 49	.5	.4	1.1	.2														13	13	73	67													
7/ 47		.1	.5															15	15	71	34													
7/ 45	1.1	1.5	.9															23	23	73	71													
4/ 43		.5	.2															4	4	15	45													
7/ 41		.7																4	4	11	41													
7/ 39		.4																2	2	1	35													
7/ 37																					1													
7/ 35																																		
7/ 33																																		
7/ 31																																		
7/ 29																																		
7/ 27																																		
7/ 25																																		
7/ 23																																		
7/ 21																																		
7/ 19																																		
7/ 17																																		
7/ 15																																		

CLIMATE CLIMATOLOGY BRANCH
METEOR
METEOROLOGICAL SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 717 COL A J. DAVE DAF IL
STATION STATION NAME

77-78, 80-87

YEARS

JUN
MONTH

PAGE 1

1500-1729

HOURS (L, S, T.)

[illegible]

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STATION	STATION NAME
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YEARS

MON T W

PAGE 2

1370-2700
HOURS 11.5.71

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY REANALYSIS
J. M. JOHNSON
U.S. WEATHER SERVICE/OMAC

PSYCHROMETRIC SUMMARY

STATION NAME

12-7, 51-10

YEARS

811

Page 1

2600-1943
HOURS 11.5.71

Temp (F)	0	1	2	3	4	5	6	7	8	WET BULB TEMPERATURE DEPRESSION (F)																						TOTAL D.B./W.B.		TOTAL Dry Bulb Wet Bulb		Dew Point	
/ 71										1.																	5	4									
/ 69																												4	4								
/ 67										1.																	19	10									
/ 65																												15	16								
/ 63										1.																	14	64	5								
/ 61																												2	52	29	5						
/ 59																												40	50	5	18						
/ 57																												79	70	0	57						
/ 55																												78	75	61	66						
/ 53																												72	72	110	102						
/ 51																												57	47	77	86						
/ 49																												43	47	71	57						
/ 47																												31	31	46	57						
/ 45																												15	15	25	14						
/ 43																												4	4	11	13						
/ 41																																15					
/ 39																																2					
TTL																																12	612				
																												612				612					

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4223446	50350	62.30	1.520	612							
Dry Bulb	198105	34791	56.8	5.773	612			9.0				53
Wet Bulb	177538	32952	53.7	4.48	612							43
Dew Point	1619290	31370	51.2	4.305	612							35

PSYCHROMETRIC SUMMARY

1-715	COL A J O BAKE : AAF DL
STATION	STATION NAME

13-70, 60-62

444

STATION

STATION NAME

YEARS

PAGE 1

MONTH

7922-11.2

MO	DA	YR
12	15	1964

[illegible]

GLOBAL CLIMATOLOGY BRANCH
NO. 225
PO BOX 1378
WASHINGTON, DC 20540-1378

PSYCHROMETRIC SUMMARY

1 0710	07L A J 10 BAKER AAF DL
STATION	STATION NAME

73-79, 80-92

YEARS

4.1.1

MONTH

PAGE 1

1570-1750

HOURS (L, S, T)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

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U.S. AIR FORCE
AFETAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 71 COL A J C FAKE AAF CL 73-7P, 80-90 JIL
STATION NAME YEARS MONTH
PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL D.B./W.B.	TOTAL		
																		Dry Bulb	Wet Bulb	Dew Point	
47 87									.1									6	2		
47 85									.2	.5	.5	.1						6	0		
47 83									.1	.4	.1							14	14		
47 81									.3	.7	.5							45	45		
47 79									1.6	.6	.3							89	89		
7 77				.1	.1	.4	.5	2.2	1.0	.4	.1							123	123		
47 75				.1	.1	.6	1.9	2.4	.8	.1								156	156		
47 73				.2	.5	1.2	2.0	1.6	.2	.7								142	142		
47 71			.3	.1	.5	2.6	2.1	.7	.1									156	156	0	
47 69			.2	1.0	1.4	1.4	1.0	.6	.2									165	165	9	
47 67			.1	.4	1.7	1.8	.5	.2	.0									117	117	77 4	
47 65			.7	.7	2.2	.8	.6	.1	.2									129	129	126 2	
47 63		.3	2.3	3.7	1.6	.9	.6	.1										243	243	243 15	
47 61	.0	1.0	2.1	1.6	1.2	.4	.2											173	173	364 57	
47 59		.2	2.7	2.1	1.6	1.0	.2											180	180	350 140	
47 57	.7	2.4	1.7	1.4	.2													157	157	316 704	
5 47 55	1.3	2.8	1.8	1.5	.1													175	175	258 367	
47 53	.9	2.3	2.0	.4	.3													141	141	244 376	
47 51	.5	1.7	1.1	.2														88	88	196 325	
47 49	.3	3.2	.4															101	101	1-4 225	
47 47	.6	1.4	.6															64	64	170 279	
47 45	.4	.6																23	23	45 233	
47 43		.2																5	5	15 78	
47 41																				42	
47 39																				4	
47 37																				1	
47 35																				1	
TOTAL	4.2	16.0	15.3	12.7	11.2	10.5	10.0	9.1	4.4	2.3	1.1	.1						2500	2500	2500	
Element (X)	ΣX ²	ΣX	X	%	No. Obs.	Mean No. of Hours with Temperature										Total					
Rel. Hum.	12373871	109951	68.0	18.120	2500	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	10746363	160724	64.3	9.330	2500			303.7	173.4	35.7		744									
Wet Bulb	252428	143000	57.2	5.396	2500			1.5				744									
Dew Point	6411433	130923	52.4	4.696	2500			1.2				744									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1	210	COL A J LO BAKE	AAF DL
	STATION	STATION NAME	

73-79, 80-82

YEARS

2 1 1
MONTH

2425 ✓

2600-11-0
HOURS (L. S. T.)

[illegible]

GENERAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 1712	C/L A J ED BAKE AAF DL
STATION	STATION NAME

73-72, FD-302

YEARS

As a

MONTH

PAGE 1

12-14-14-15

HOURS 11.50 - 7.00

[illegible]

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 01L A J R BAKER AAF FL
STATION NAME

73-76, 90-82

YEARS

AUG
MONTH

PAGE 1

15, 0-1700
HOURS (L. S. Y.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
7/ 89																																		1	1		
5/ 57																																		1	1		
4/ 55																																		4	4		
4/ 53																																		5	5		
4/ 51																																		5	5		
4/ 49																																		24	2		
7/ 77																																		12	12		
6/ 75																																		26	26		
4/ 73																																		45	45		
4/ 71																																		52	52		
4/ 69																																		37	37		4
4/ 67																																		25	25		25
6/ 65																																		47	47		1
4/ 63																																		15	48	79	13
4/ 61																																		21	21	69	17
4/ 59																																		25	25	62	29
4/ 57																																		24	24	65	59
4/ 55																																		17	17	59	74
4/ 53																																		24	24	23	71
4/ 51																																		6	6	25	67
4/ 49																																		7	7	1	43
4/ 47																																					34
4/ 45																																					1
4/ 43																																		1	1		4
4/ 41																																					1
4/ 39																																					
TOTAL	1.01	.91	2.61	2.61	5.15	11.6	7.5	4.1	2.1	.9	.6																						459	460	460		

Element (X)	ΣX^1	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2494.1	30385	64.1	5.962	460	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	
Dry Bulb	21494.0	31711	67.2	5.319	460			43.5	26.6	5.4		92
Wet Bulb	164.637	27715	59.1	4.815	460			4.0				92
Dew Point	1365235	25213	53.6	4.578	460							92

USAFETAC FORM 34-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMAT CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	COL A J. D. BAKER AAF DL
STATION NAME	

73-75, 61-32

YEARS

10

PAGE 1 18-0-2000
HOURS 11.5.7.1

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47 50																		1	1																
47 51										.4								3	3																
47 75										.4								1	1																
7 77									.4	.8								7	7																
7 78									1.2	.4								15	15																
47 79						.6	.6	1.2	.4									5	5																
7 71							4.1	.4	.4									15	17																
7 90				.4	2.4	2.4	1.8	1.2										19	19	1															
7 67			.3	2.7	2.4	1.6	1.2											25	25	1															
47 61			.8	.4	4.1	1.2	.4											17	17	14															
47 53			4.1	4.7	3.7	1.6												39	35	25	7														
7 51			.8	4.1	3.4	1.2	.4	.4										23	23	39	10														
7 59			2.7	2.4	4.5	.4	.4											6	15	32	28														
7 57			1.7	1.2	.4													13	13	40	73														
7 50			2.7	.8	.4													5	15	2	25														
47 51			2.9	2.8	.4													11	11	20	13														
7 71	1.5	3.3	.4															12	12	22	33														
7 4	1.2	1.5																7	7	14	21														
7 47	.7																	2		5	24														
7 41																					1														
7 43																					1														
7 41		.5																2	2		1														
7 77																					1														
112	3.71	117.11	314		14.6	5.9	2.4	.4										246	246	246	246														

Element (X)	Σ X'	Σ X	X	X'	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1311745	17563	71.4	15.353	246	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1011275	15549	63.6	7.762	246			37.1	11.7	1.0		93
Wet Bulb	23054	14176	57.6	5.13	246			7.3				93
Dew Point	710444	13163	53.6	4.773	246							93

GENERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1	711	COL A J D BAKE	AAF DL
	STATION	STATION NAME	

73-75,80-82

YEARS

4. 10

PAGE 1

MONTH

All

HOURS (L. S. T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
7 66																		1	1																
7 67												.1						3	3																
7 68										.1	.1							6	6																
7 69									.1	.3	.1	.1						14	14																
7 70								.2	.4	.3								28	28																
7 71							.4	.6	.6	.2	.1							53	53																
7 72						.6	.6	.6	.6	.2	.1							89	89																
7 73					.8	1.7	1.7	.7	.3									109	109																
7 74				.2	.7	1.6	1.9	.4	.7									149	149	1															
7 75			.1	1.7	2.2	1.9	1.2	.7										184	184	11															
7 76			.3	.7	1.6	1.3	.6											180	120	6	1														
7 77		.1	1.2	1.1	.6	1.8	.3											174	174	14	3														
7 78	.1	1.6	1.6	3.7	2.2	.6	.4	.7										240	240	276	50														
7 79	.7	1.3	2.3	2.1	.7	.7	.3											171	171	327	96														
7 80	.2	3.4	2.8	1.6	.7	.4												222	222	391	246														
7 81	.7	7.3	7.7	.6														173	173	379	713														
7 82	1.6	3.2	1.6	.7														176	136	298	373														
7 83	1.2	4.7	1.6	.7														185	169	210	343														
7 84	1.1	2.6	.6															106	106	149	318														
7 85	1.1	1.3	.2															66	66	188	261														
7 86	.7	.9	.4															49	49	57	206														
7 87	.4	.9																2	22	37	104														
7 88	.1	.4																17	13	17	50														
7 89	.1	.2																6	6	12	36														
7 90	.1																	1	1	3	7														
7 91	.1																	1	1	1	4														
7 92	7.122	9.100	13.612	112.0	5.1	3.9	2.6	1.1	.4	.2								2445	2445	2445	2445														
																		2445		2445															

Element (X)	Σ x ²	Σ x	Σ	Σ ₂	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1356327	177453	72.0	17.10	2445	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	955932	14456	63.2	8.793	2445			354.4	12.6	23.7		744
Wet Bulb	115470	140440	57.4	5.413	2445			21.9				744
Dew Point	7028702	130562	53.4	4.318	2445			.3				744

OFFICIAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/NAO
 METEOROLOGICAL SERVICE/NAO

PSYCHROMETRIC SUMMARY

1 217 001 A J 0 TAKE 0 AF 0 L
STATION STATION NAME

73-76,60-20

YEARS

256

MONTH

Case 2:20-cv-01007 Document 1-1 Filed 07/20/20 Page 1 of 1

26-00000-06-2

[illegible]

GLOBAL CLIMATOLOGY BRANCH
METAC
A WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

717	COL A J H BAKE PAF PL
STATION	STATION NAME

73-75,60-67

YEARS

MONITORING

PAGE 1 2400-1100
HOURS 11.5.7

[illegible]

2

U.S. AIR FORCE
 AIR FORCE
 AIR FORCE

PSYCHROMETRIC SUMMARY

STATION NAME
 STATION NAME

73-74, 80-82

YEARS

MONTH

DATE 1-5-14
 HOURS 1-5-14

Temp (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb Dew Point
7																																	1	1
8																																	2	2
9																																	3	3
10																																	4	4
11																																	5	5
12																																	6	6
13																																	7	7
14																																	8	8
15																																	9	9
16																																	10	10
17																																	11	11
18																																	12	12
19																																	13	13
20																																	14	14
21																																	15	15
22																																	16	16
23																																	17	17
24																																	18	18
25																																	19	19
26																																	20	20
27																																	21	21
28																																	22	22
29																																	23	23
30																																	24	24
31																																	25	25
TOTAL	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6

USAFETAC FORM 104-4 0-26.5 (OL A) REVISIONS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION NAME

73-70, 81-92

YEARS

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245 1

15.0-17.0
HOURS (L.S.T.)

[illegible]

1. GENERAL CLIMATOLOGY BRANCH
 2. CAFETAC
 3. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

711 COL A J C BAKE AAF CL
STATION STATION NAME

73-74, 1-2

YF009

55 MONTH

15-1-2020
HOURS 11:50-1:00

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
7 / 77						.4			.4	.4								7	8															
6 / 76							.4	.4										7	8															
4 / 73						.4	.											7	7															
/ 71					.4	.4	.		.4										5															
/ 69			.4	1.7	.	.5	.											11	11															
1 / 67			.4	1.3	.5													6	6															
6 / 65			.4	.4	.	.3												7	7															
4 / 63		.4	5.1	3.	1.7		.4											15	15	16	1													
/ 61		.6	3.8	.6	.4	.6												15	15	15	3													
/ 59		2.5	5.5	2.1	2.1	.2												11	21	23	15													
/ 57		2.1	1.7	3.4														17	17	17	17													
5 / 55	.4	3.8	2.5	2.5														12	22	18	24													
4 / 53	.4	1.7	1.7	.4														10	19	11	25													
/ 51	2.1	2.5	1.7	1.7														18	15	23	22													
/ 49		1.7	2.1	.4														13	19	20	12													
/ 47	.6	2.1	1.3	.4														11	12	9	23													
4 / 45	1.7	4.2	3.8															22	27	19	34													
4 / 43		2.1																5	5	10	12													
/ 41	.4	3.4																6	5	11	21													
/ 39	.6																	2	2	7	17													
/ 37																																		
/ 35																																		
TAL	5.	27.43	319.1	7.7	4.6	7.4	.4	.2	.4									237	257	257	257													

Element (X)	Σ x'	Σ x	Σ	Σ ₂	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	147-453	16445	77.81	7.468	237							
Dry Bulb	75-575	13451	56.7	6.527	237			11.4	3.2			22
Wet Bulb	67157	12477	52.8	6.426	237			.4				96
Dew Point	39468	11722	49.5	6.411	237							93

JOURNAL CLIMATOLOGY BRANCH
 AFSSAC
 1. HEALTH & SERVICE /MAC

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____

73-75, 80-82

YEARS

U C T
MONTH

2465 1

5670-0900
HOURS 11, 5, 7

[illegible]

PSYCHROMETRIC SUMMARY

71	C L A J U C BAKER PAT PL
STATION	STATION NAME

13-70, 61-67

YEARS

...

MONTH

08-05-1

1570-1700
HOURS (L.S.T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
METEO
ALFATH R SERVICE /MOC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
0 71	01L 2 J 0 NAME / AAF EL

73-79, 81-82

221

YEARS

MONTH

PAGE 1 1670-2000
HOURS (L. S. T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____

YEARS

253

MONTH

PAGE 2

344

HOURS I. S. T.

[illegible]

USAFETAC
FORM
NA 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

NATIONAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

1	71	COL 2	NAME	AAF DL
STATION			STATION NAME	

73-79, 80-82

YEARS

000

MONTH

Page

ALL

HOURS (L, S, T)

[illegible]

USAFETAC FORM 0.26.5 (OLA) REV. 64 RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

1 70- CIL A J 3 RARE AAF CL
STATION STATION NAME

73-70, 86-62

114

YEARS

MONTH

74-11

6. 25-1723

HOURS 11.57

[illegible]

1

LETAC

4. HEALTH SERVICE / ABC

12-7, 63-28

YEARS

431

MONITOR

PAGE 1 - 92-11-3

HOURS (L. S. T.)

USAFETAC

CENTRAL CLIMATOLOGY BRANCH
 METEOR
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 710	CLAU GRAPE AAF EL
STATION	STATION NAME

11-74, 11-75

422

YEARS

MONTH

245

12-13-145

HOURS L. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
67 / 67																		7	7																
67 / 65																		17	17																
67 / 63																		19	19																
67 / 61																		24	24																
67 / 59																		28	28																
67 / 57																		32	32																
57 / 55																		37	37	5															
47 / 53																		47	47	11															
37 / 51																		57	57	18															
27 / 49																		67	67	25															
17 / 47																		77	77	31	4														
7 / 45																		89	89	38	22														
47 / 43																		94	94	45	12														
37 / 41																		99	99	50	20														
27 / 39																		104	104	55	28														
17 / 37																		109	109	60	36														
7 / 35																		114	114	65	44														
37 / 33																		119	119	70	52														
27 / 31																		124	124	75	60														
17 / 29																		129	129	80	68														
7 / 27																		134	134	85	76														
37 / 25																		139	139	90	84														
27 / 23																		144	144	95	92														
17 / 21																		149	149	100	100														
7 / 19																		154	154	105	108														
37 / 17																		159	159	110	116														
27 / 15																		164	164	115	124														
TTL	16.	33.	71.	64.	6.6	6.2	7.7	4.3	2.9	1.4								517	517	517															

Element (X)	Σ x'	Σ x	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	1113671	78435	75.318	755	517		≤ 32 F					
Dry Bulb	2953.3	21473	42.518	999	517		15.1		≤ 67 F	3		90
Wet Bulb	51657	19955	38.6	7.826	517		17.6					90
Dew Point	622265	17651	34.1	6.169	517		35.9					90

2

CLIMATE CLIMATOLOGY BRANCH
 TACTAC
 PATHWAY SERVICE/NAF

PSYCHROMETRIC SUMMARY

STATION COL AFB CAVE AAF CA

73-70,81-82

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

18-10-2000

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	Dry Bulb	Wet Bulb	Dew Point
55						.4																											3	7		
57					.4																												5	7		
59				.4																													10	10	7	
61			.4																														5	5	5	
63		.4																															8	8	7	7
65		.7	.4																														10	10	6	6
67	.4																																18	18	12	12
69	.7	.4																															12	12	13	13
71	1.1	.7	.4																														25	25	19	17
73	1.5	1.1	.7																														24	24	25	18
75	1.8	1.5	1.1	.7																													22	22	27	21
77	2.2	1.8	1.5	1.1	.7																												41	41	26	25
79	2.6	2.2	1.8	1.5	1.1	.7																											22	22	40	27
81	3.0	2.6	2.2	1.8	1.5	1.1	.7																										27	27	42	27
83	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																									9	9	14	38
85	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																								6	6	9	15
87	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																							10	10	10	17
89	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																						3	3	7	14
91	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																					1	1	2	7
93	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																				4	4	2	2
95	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																			5	5	5	1
97	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																					
99	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																				
101	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																			
103	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																		
105	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																	
107	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7																
109	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7															
111	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7														
113	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7													
115	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7												
117	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7											
119	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7										
121	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7									
123	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7								
125	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7							
127	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7						
129	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7					
131	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7				
133	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7			
135	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7		
137	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	.7	
139	14.6	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	
141	15.0	14.6	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	1.5	
143	15.4	15.0	14.6	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	1.8	
145	15.8	15.4	15.0	14.6	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	2.2	
147	16.2	15.8	15.4	15.0	14.6	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	2.6	
149	16.6	16.2	15.8	15.4	15.0	14.6	14.2	13.8	13.4	13.0	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.8	3.4	3.0	
151	17.0	16.6	16.																																	

Element	Σx'	Σx	X	%	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2,08645	23232	45.0	11.020	273	± 0 F	± 32 F	± 47 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	406438	18280	37.7	8.299	273		22.4					50
Wet Bulb	362379	9765	35.5	7.69	273		25.4					5
Dew Point	314654	9080	33.3	6.712	273</							

GLOBAL CLIMATOLOGY BRANCH
METAC
WEATHER SERVICE / IAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME
71	CAL A J D BAKE AAF DL

73-75,80-82

422

MONTH

YEARS

Page 1

ALL

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 01L A J L HAKE AAF DL 73-72, HQ-62 NOV
 STATION NAME YEARS MONTH
ALL
 HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

655

1612-0900
HOURS 11.5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77-81			.4															1	1																
77-84			.4															2	2	3															
77-87																																			
77-90			.6	.7	.6													10	10																
77-94																		1	1	3															
77-97			1.1	.7	.2													11	11	9	1														
77-100		.2	3.5	1.7														10	11	7	5														
77-103		.2	2.4	4.8	.6	.2												47	47	35	11														
77-106		1.1	3.9	.7														31	31	46	27														
77-109		4.4	5.1	.2														52	52	41	43														
77-112		6.1	3.1															50	50	77	59														
77-115		3.5	5.4	.4														50	51	49	55														
77-118		5.2	1.5															36	36	47	50														
77-121		2.2	.7	.2														17	17	15	23														
77-124		5.7	2.8															42	42	75	47														
77-127		2.1	.7															19	19	21	25														
77-130		4.4	.2															25	25	75	27														
77-133		5.2	.2															19	29	79	33														
77-136		3.7	.4															18	18	17	24														
77-139		2.2																12	12	14	11														
77-142		3.7																11	11	11	12														
77-145		5.7	.4															12	22	72	23														
77-148		.5																3	3	3	5														
77-151		.7																1	1	1	4														
77-154		.7																4	4	4	2														
77-157		1.1																5	5	5	5														
77-160		1.1																5	5	5	5														
77-163		.7																4	4	4	7														
77-166		.4																2	2	2	5														
TOTAL	51.3	34.5	5.5	1.7														541		541	541														

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	467.896	40024	92.6	9.68	541	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	452.025	14599	26.9	16.425	542	2.1	61.3					93
Wet Bulb	424450	14132	26.2	9.877	541	2.1	66.5					93
Dew Point	384710	13461	24.9	9.652	541	2.6	74.4					93

AL CLIMATOLOGY BRANCH
TAC
FATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

12	CLARK	SAKE	BAF	CL
STATION	STATION NAME			

13-75,65-02

YEARS

050
MONTH

24. f. !

2925-11-2
HOWES (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																					
Temp F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
70																																	2	7																				
71																																	2	7																				
72																																	4	4																				
73																																	10	10	3	3																		
74																																	7	7	7	1																		
75																																	16	16	15	4																		
76																																	25	25	11	10																		
77																																	43	43	43	24																		
78																																	40	40	42	11																		
79																																	65	65	71	44																		
80																																	51	51	51	28																		
81																																	57	57	55	61																		
82																																	39	39	39	66																		
83																																	36	36	36	37																		
84																																	47	47	44	59																		
85																																	27	27	20	77																		
86																																	20	20	25	26																		
87																																	24	24	24	28																		
88																																	12	12	12	16																		
89																																	7	7	9	11																		
90																																	7	7	7	3																		
91																																	6	6	6	12																		
92																																	4	4	4	2																		
93																																	4	4	4	7																		
94																																	4	4	4	4																		
95																																	2	2	2	2																		
96																																	3	3	3	2																		
97																																	1	1	1	1																		
98																																				1																		
TOTAL																															44.14	40.21	2.4	2.5	.7																589	590	589	589
Element (X)	ΣX^2	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature							Total																																									
Rel. Hum.	4697231	52137	58.6	11.167	589	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																																										
Dry Bulb	562832	17324	29.4	9.419	590	.6	55.6					93																																										
Wet Bulb	12212	16618	27.2	8.567	589	.6	62.2					93																																										
Dew Point	444745	15425	25.2	8.329	589	.6	76.1					93																																										

GLOBAL CLIMATOLOGY BRANCH
NOFETAC
AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

1 71	CUL A J 50 MAKE 1 AAF 5L
STATION	STATION NAME

73-76, 80-82

550

STATION

STATION NAME

YEARS

PAGE 2

MONTH

14-00-1492

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

25

MONTH

12-0-1743

[illegible]

NO. 1 AL CLIMATOLOGY BRANCH
AFETAC
A. WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

1 71	CEL A J LO BAKE AAF DL
STATION	STATION NAME

12-73, #1-23

YEARS

DEC
MONTH

PAGE 1 1603-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
4 / 41			1.5	1.0														4	4														
4 / 43		2.0																5	5														
4 / 41		3.5	.5															6	6	8	7												
4 / 39		5.0	3.0															15	15	5	5												
4 / 37	3.0	7.5	1.5															24	24		14												
4 / 35	2.5	6.0																1	21	28	15												
3 / 33	4.5	5.0																19	19	32	19												
4 / 31	1.5	4.5																12	12	11	31												
4 / 29	4.5	6.0																1	31	44	23												
4 / 27	6.5																	17	17	19	24												
4 / 25	3.5	1.5																10	10	5	17												
4 / 23	6.0	2.5																17	17	17	20												
2 / 21	3.0																	5	5	7	11												
4 / 19	2.0																	4	4	4	4												
1 / 17	1.0																	2	2	2	4												
1 / 15	1.0	.5																3	3	3	7												
1 / 13	2.0																	4	4	4	2												
1 / 11	2.0																	4	4	4	5												
4 / 9	1.0																	2	2	2	3												
4 / 7	.5																	1	1	1	1												
TOTAL	45.546	36.0	6.0	1.5														200	100	200	200												

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1602620	18265	91.3	8.559	200							
Dry Bulb	203162	6175	30.9	7.931	200		47.9					93
Wet Bulb	190368	5992	30.0	7.280	200		49.8					93
Dew Point	172267	5703	28.5	6.962	200		67.0					93

2

PSYCHROMETRIC SUMMARY

15-72, 66-41

250

STAY ON

STATION NAME

YEARS

24-1

MONTH

511

MOUSE (L. S. T.)

USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

!

U. S. AIR FORCE
METAC
AIRCRAFT SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION JUL 10 1964 BAKER AAF AL
STATION NAME

73-72, AC-37

650
MONTH

PAGE -

All

HOURS 16, 5, 7.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																													
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																											
1	41.0	40.5	40.1	39.6	39.2	38.7	38.3	37.8	37.4	36.9	36.5	36.1	35.7	35.3	34.9	34.5	34.1	33.7	33.3	32.9	32.5	32.1	31.7	31.3	30.9	30.5	30.1	29.7	29.3	28.9	28.5	28.1	27.7	27.3	26.9	26.5	26.1	25.7	25.3	24.9	24.5	24.1	23.7	23.3	22.9	22.5	22.1	21.7	21.3	20.9	20.5	20.1	19.7	19.3	18.9	18.5	18.1	17.7	17.3	16.9	16.5	16.1	15.7	15.3	14.9	14.5	14.1	13.7	13.3	12.9	12.5	12.1	11.7	11.3	10.9	10.5	10.1	9.7	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.3	0.9	0.5	0.1	-0.3	-0.7	-1.1	-1.5	-1.9	-2.3	-2.7	-3.1	-3.5	-3.9	-4.3	-4.7	-5.1	-5.5	-5.9	-6.3	-6.7	-7.1	-7.5	-7.9	-8.3	-8.7	-9.1	-9.5	-9.9	-10.3	-10.7	-11.1	-11.5	-11.9	-12.3	-12.7	-13.1	-13.5	-13.9	-14.3	-14.7	-15.1	-15.5	-15.9	-16.3	-16.7	-17.1	-17.5	-17.9	-18.3	-18.7	-19.1	-19.5	-19.9	-20.3	-20.7	-21.1	-21.5	-21.9	-22.3	-22.7	-23.1	-23.5	-23.9	-24.3	-24.7	-25.1	-25.5	-25.9	-26.3	-26.7	-27.1	-27.5	-27.9	-28.3	-28.7	-29.1	-29.5	-29.9	-30.3	-30.7	-31.1	-31.5	-31.9	-32.3	-32.7	-33.1	-33.5	-33.9	-34.3	-34.7	-35.1	-35.5	-35.9	-36.3	-36.7	-37.1	-37.5	-37.9	-38.3	-38.7	-39.1	-39.5	-39.9	-40.3	-40.7	-41.1	-41.5	-41.9	-42.3	-42.7	-43.1	-43.5	-43.9	-44.3	-44.7	-45.1	-45.5	-45.9	-46.3	-46.7	-47.1	-47.5	-47.9	-48.3	-48.7	-49.1	-49.5	-49.9	-50.3	-50.7	-51.1	-51.5	-51.9	-52.3	-52.7	-53.1	-53.5	-53.9	-54.3	-54.7	-55.1	-55.5	-55.9	-56.3	-56.7	-57.1	-57.5	-57.9	-58.3	-58.7	-59.1	-59.5	-59.9	-60.3	-60.7	-61.1	-61.5	-61.9	-62.3	-62.7	-63.1	-63.5	-63.9	-64.3	-64.7	-65.1	-65.5	-65.9	-66.3	-66.7	-67.1	-67.5	-67.9	-68.3	-68.7	-69.1	-69.5	-69.9	-70.3	-70.7	-71.1	-71.5	-71.9	-72.3	-72.7	-73.1	-73.5	-73.9	-74.3	-74.7	-75.1	-75.5	-75.9	-76.3	-76.7	-77.1	-77.5	-77.9	-78.3	-78.7	-79.1	-79.5	-79.9	-80.3	-80.7	-81.1	-81.5	-81.9	-82.3	-82.7	-83.1	-83.5	-83.9	-84.3	-84.7	-85.1	-85.5	-85.9	-86.3	-86.7	-87.1	-87.5	-87.9	-88.3	-88.7	-89.1	-89.5	-89.9	-90.3	-90.7	-91.1	-91.5	-91.9	-92.3	-92.7	-93.1	-93.5	-93.9	-94.3	-94.7	-95.1	-95.5	-95.9	-96.3	-96.7	-97.1	-97.5	-97.9	-98.3	-98.7	-99.1	-99.5	-99.9	-100.3	-100.7	-101.1	-101.5	-101.9	-102.3	-102.7	-103.1	-103.5	-103.9	-104.3	-104.7	-105.1	-105.5	-105.9	-106.3	-106.7	-107.1	-107.5	-107.9	-108.3	-108.7	-109.1	-109.5	-109.9	-110.3	-110.7	-111.1	-111.5	-111.9	-112.3	-112.7	-113.1	-113.5	-113.9	-114.3	-114.7	-115.1	-115.5	-115.9	-116.3	-116.7	-117.1	-117.5	-117.9	-118.3	-118.7	-119.1	-119.5	-119.9	-120.3	-120.7	-121.1	-121.5	-121.9	-122.3	-122.7	-123.1	-123.5	-123.9	-124.3	-124.7	-125.1

Element (X)	$\Sigma X'$	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	17622679	196729	83.01	1.741	2235	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2032544	68992	30.8	9.569	2237	5.3	392.5					744
Wet Bulb	111043	6573	29.5	8.559	2235	5.3	438.4					744
Dew Point	1825438	61290	27.4	8.048	2235	6.7	561.2					744

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

100710 COL A J 80 BAKER AAF DL
STATION

73-78,80-82

YEARS

MEASUREMENT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	26.1	26.7	32.9	36.1	47.3	54.1	56.8	55.7	50.3	40.3	33.6	26.9	40.9
S.D.	10.719	7.757	8.240	6.600	6.910	7.234	5.773	5.829	6.647	7.361	8.519	10.425	13.698
TOTAL OBS	586	579	635	624	637	626	612	607	603	583	561	542	7175
MEAN	29.1	30.9	39.3	43.9	55.0	61.1	64.5	63.7	58.2	46.7	37.8	29.4	46.8
S.D.	9.258	7.280	9.366	9.112	8.618	9.277	8.059	7.515	8.406	8.721	9.266	9.419	15.604
TOTAL OBS	594	576	639	602	639	609	599	576	593	565	545	590	7127
MEAN	34.5	36.6	44.4	47.7	58.3	64.2	67.9	67.4	62.8	51.8	42.5	34.1	51.3
S.D.	8.218	8.158	10.430	10.183	9.471	10.055	9.144	8.291	9.686	9.836	10.999	8.433	15.425
TOTAL OBS	504	528	591	556	611	571	588	547	548	547	517	522	6590
MEAN	34.6	36.2	44.2	47.7	58.7	64.2	68.6	67.2	62.2	50.6	41.1	34.2	51.5
S.D.	7.916	8.293	10.794	10.452	9.456	10.897	9.427	8.319	9.880	9.766	10.387	8.047	15.635
TOTAL OBS	407	406	452	436	467	436	488	469	458	441	420	383	5263
MEAN	31.0	31.8	40.0	44.4	55.7	61.4	65.4	63.6	56.8	45.3	37.7	30.9	46.9
S.D.	7.701	6.654	9.496	9.229	8.371	10.241	8.661	7.762	8.527	7.782	8.299	7.931	14.893
TOTAL OBS	254	256	282	261	258	230	258	246	237	292	273	200	3045
MEAN													
S.D.													
TOTAL OBS													
MEAN													
S.D.													
TOTAL OBS													
MEAN													
S.D.													
TOTAL OBS													
ALL HOURS	30.7	32.2	39.8	43.6	54.6	60.6	64.3	63.2	57.9	46.8	38.4	30.8	47.2
S.D.	9.680	8.639	10.587	10.160	9.639	10.232	9.330	8.793	9.887	9.784	10.158	9.569	15.603
TOTAL OBS	2347	2345	2599	2459	2612	2472	2501	2445	2439	2428	2316	2237	29200



USAFETAC FORM 0-89-3 (OLA)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 5710 COL A J BO BAKER AAF DL
STATION

73-78,80-82

YEARS

HR	CT	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
6-08	MEAN	25.3	26.0	31.7	34.6	44.5	50.9	53.7	53.6	48.5	39.0	32.3	26.2	39.1
	S.D.	9.989	7.227	7.441	5.576	5.648	5.892	4.408	4.949	5.915	6.638	7.557	9.877	12.567
	TOTAL OBS	583	579	634	604	637	626	612	607	603	582	560	541	7168
9-11	MEAN	27.0	29.5	36.2	39.8	46.9	54.6	57.4	57.9	53.3	43.4	35.4	28.2	42.8
	S.D.	8.296	6.315	7.282	6.768	6.049	6.686	4.953	4.946	6.097	6.758	7.366	8.587	12.879
	TOTAL OBS	591	575	639	611	639	608	598	576	593	564	544	589	7117
12-14	MEAN	32.2	33.5	39.4	41.8	50.7	56.1	58.8	59.4	55.3	46.4	38.6	32.1	45.6
	S.D.	6.510	5.925	7.537	7.203	6.255	7.138	5.220	4.890	6.400	6.792	7.806	7.019	11.927
	TOTAL OBS	502	528	591	556	611	571	588	547	548	547	517	522	6588
15-17	MEAN	32.4	33.1	39.1	41.4	50.9	56.5	59.3	59.1	55.1	46.0	37.9	32.5	45.8
	S.D.	6.465	5.894	7.843	6.997	6.111	7.801	5.239	4.815	6.758	7.215	7.744	6.806	12.094
	TOTAL OBS	407	406	451	436	466	436	488	469	457	441	420	383	5260
18-20	MEAN	29.8	30.1	36.7	39.7	49.2	54.7	57.6	57.6	52.6	43.0	35.8	30.0	43.0
	S.D.	6.796	5.454	7.271	6.439	5.603	7.307	5.184	5.013	6.606	6.668	7.069	7.280	12.100
	TOTAL OBS	256	255	282	261	258	230	258	246	237	292	273	200	3084
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN													
	S.D.													
	TOTAL OBS													
	MEAN													
	S.D.													
	TOTAL OBS													
ALL HOURS	MEAN	29.2	30.2	36.4	39.3	48.6	54.4	57.2	57.4	52.8	43.4	35.9	29.5	43.1
	S.D.	8.458	6.947	8.040	7.172	6.464	7.189	5.398	5.413	6.840	7.361	7.899	8.559	12.636
	TOTAL OBS	2339	2343	2597	2458	2611	2471	2500	2445	2438	2426	2318	2235	29177

USAFETAC FORM 0 80 5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 5710 COL A J BO BAKER AAF DL

73-78,80-82

STATION		STATION NAME												YEARS	
HR	LAST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
6-8	MEAN	23.6	24.4	29.5	32.4	41.7	48.4	51.3	51.9	46.9	37.5	30.5	24.9	37.2	
	S.D.	9.505	7.294	7.662	5.541	5.788	5.720	4.305	4.802	5.953	6.678	7.444	9.602	12.364	
	TOTAL OBS	583	579	634	604	637	626	612	607	603	582	560	541	7168	
-11	MEAN	25.7	26.9	32.1	35.1	43.5	49.7	52.6	54.0	49.5	40.1	32.4	26.2	39.0	
	S.D.	7.819	6.312	6.986	6.638	6.267	6.728	4.537	4.780	5.901	6.340	6.650	8.329	12.080	
	TOTAL OBS	591	575	639	601	639	608	598	576	593	564	544	589	7117	
11-14	MEAN	26.8	29.1	33.5	35.2	44.1	50.2	52.8	54.1	49.8	41.3	34.1	29.2	40.4	
	S.D.	5.773	5.614	7.318	7.415	6.477	7.475	4.787	4.759	6.145	6.169	6.169	6.353	11.181	
	TOTAL OBS	502	528	591	556	611	571	548	547	548	547	517	522	6588	
15-17	MEAN	29.3	28.6	33.2	34.4	44.1	50.9	53.1	53.8	49.8	41.6	34.1	30.0	40.7	
	S.D.	5.808	5.308	7.379	6.776	6.641	8.063	4.891	4.578	6.455	6.581	6.494	6.214	11.311	
	TOTAL OBS	407	406	451	436	466	436	488	469	457	441	420	383	5260	
18-20	MEAN	27.7	27.1	32.6	34.4	43.3	49.6	52.3	53.5	49.5	40.7	33.3	28.5	39.3	
	S.D.	6.383	5.506	6.712	6.034	5.859	7.315	4.943	4.773	6.411	6.590	6.712	6.962	11.300	
	TOTAL OBS	252	255	282	261	256	230	254	246	237	292	273	220	3044	
	MEAN														
	S.D.														
	TOTAL OBS														
	MEAN														
	S.D.														
	TOTAL OBS														
	MEAN														
	S.D.														
	TOTAL OBS														
ALL HOURS	MEAN	26.7	27.1	32.0	34.3	43.3	49.7	52.4	53.4	49.0	40.1	32.7	27.4	39.2	
	S.D.	7.753	6.420	7.418	6.629	6.303	7.030	4.696	4.818	6.241	6.640	6.878	8.048	11.811	
	TOTAL OBS	2339	2343	2597	2458	2611	2471	2500	2445	2438	2426	2314	2235	29177	

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 710
STATION

COL A J EO BAKER AAF DL
STATION NAME

73-78,80-82

PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05											
	06-08	100.0	100.0	99.6	99.5	98.8	98.5	94.9	88.0	61.9	90.9	593
	09-11	100.0	100.0	100.0	99.3	98.8	97.0	89.8	78.2	52.6	87.9	591
	12-14	100.0	100.0	99.4	98.4	96.2	89.2	74.3	58.2	35.3	81.3	502
	15-17	100.0	100.0	100.0	99.3	97.5	92.6	76.9	58.2	39.8	82.4	477
	18-20	100.0	100.0	100.0	100.0	98.8	97.3	91.0	77.3	53.5	88.0	256
	21-23											
TOTALS		100.0	100.0	99.4	99.3	98.0	94.9	85.4	72.0	48.6	86.1	2339

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC

10471
STATION

COL A J GO BAKER AAF DL
STATION NAME

73-78,90-42

PERIOD

F 5 0
MONTH

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
FEB	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	95.0	88.3	67.5	91.4	579
	09-11	100.0	100.0	100.0	99.8	98.6	94.8	84.3	71.8	50.3	86.1	575
	12-14	100.0	100.0	99.6	96.0	87.7	77.8	63.1	48.9	31.3	76.6	528
	15-17	100.0	100.0	99.8	96.1	88.4	77.1	62.8	49.8	31.5	76.5	476
	18-20	100.0	100.0	100.0	98.8	97.3	94.5	80.4	65.9	42.7	83.9	255
	21-23											
TOTALS	100.0	100.0	99.9	96.1	94.4	88.6	77.1	64.9	44.7	82.9	2343	

USAFETAC FORM 0-87-5 (OL A)
JUL 64

10-710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-78, 80-92

MAR
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
MAR.	0-02											
	03-05											
	06-08	100.0	100.0	99.8	99.4	98.1	97.2	90.5	78.5	54.1	88.1	634
	09-11	100.0	100.0	99.1	96.7	92.2	82.9	64.8	49.8	32.7	77.8	639
	12-14	100.0	100.0	97.8	90.2	76.3	61.4	47.7	36.2	19.1	69.0	591
	15-17	100.0	99.8	98.7	90.7	76.9	60.8	49.0	36.1	17.5	68.7	451
	18-20	100.0	100.0	100.0	98.6	92.9	81.9	66.3	48.9	23.8	76.6	282
	21-23											
TOTALS		100.0	100.0	99.1	95.1	87.3	76.8	63.7	49.9	29.4	76.0	2597

GENERAL CLIMATOLOGY BRANCH
NAFETAC
AIR WEATHER SERVICE/MAC

1 4710
STATION

COL A J SO BAKER AAF DL
STATION NAME

73-78, 80-82

APR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.5	98.2	96.2	88.1	77.2	51.7	47.2	624
	09-11	100.0	100.0	99.5	95.7	85.9	71.2	59.6	45.1	25.1	74.0	631
	12-14	100.0	100.0	97.3	86.7	67.4	55.6	45.3	32.2	17.4	65.9	556
	15-17	100.0	100.0	95.9	84.9	63.5	50.5	39.9	31.4	16.5	63.9	436
	18-20	100.0	100.0	98.5	94.6	79.7	66.3	50.2	39.5	23.0	71.0	261
	21-23											
TOTALS		100.0	100.0	98.2	92.3	78.9	68.0	56.6	45.1	26.7	72.4	2456

USAFETAC FORM 0-87-5 (OL A)

1 9710	COL A J BO BAKER AAF DL	73-76,80-62	MAY
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
MAY	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.7	97.8	92.0	79.6	59.0	34.7	81.9	637
	09-11	100.0	100.0	99.5	95.6	78.9	61.3	45.9	27.5	13.5	67.5	639
	12-14	100.0	100.0	97.7	86.6	68.6	49.8	34.0	21.9	9.7	62.3	611
	15-17	100.0	100.0	96.8	86.9	65.2	46.1	34.8	24.5	9.4	61.8	466
	18-20	100.0	100.0	99.6	93.0	79.5	55.0	41.5	24.0	10.9	65.7	258
	21-23											
										</		

RELATIVE HUMIDITY

1 710
STATION

COL A J SO BAKER AAF DL
STATION NAME

73-78, 80-92

PERIOD

JUN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS TEST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10	20%	30%	40%	50%	60%	70%	80%	90		
JUN	0-00											
	01-05											
	06-08	100.0	100.0	100.0	100.0	99.2	93.1	83.9	59.3	30.7	82.0	626
	09-11	100.0	100.0	100.0	97.7	81.7	61.7	43.1	29.6	13.8	68.3	608
	12-14	100.0	100.0	99.6	91.2	69.2	47.1	35.4	24.0	8.4	63.0	571
	15-17	100.0	100.0	99.1	90.4	72.7	52.5	41.1	28.2	12.8	65.0	436
	18-20	100.0	100.0	100.0	96.1	79.1	60.9	45.2	29.6	10.9	67.6	230
	21-23											
TOTALS		100.0	100.0	99.7	95.1	80.4	63.1	49.7	34.1	15.2	69.2	2471

1 9710
STATION

COL A J BO BAKER AAF DL
STATION NAME

73-7c, 80-82

PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.5	94.9	85.1	57.8	28.3	62.3	612
	09-11	100.0	100.0	100.0	97.3	84.8	62.5	39.6	22.1	10.2	67.2	598
	12-14	100.0	100.0	99.8	91.8	63.7	42.0	27.6	16.2	8.8	60.9	548
	15-17	100.0	100.0	99.4	89.3	60.7	43.0	30.7	18.0	9.2	60.5	488
	18-20	100.0	100.0	99.6	94.9	75.6	52.8	40.6	22.0	8.7	64.9	254
	21-23											
TOTALS		100.0	100.0	99.8	94.7	76.9	59.0	44.7	27.6	13.0	67.2	2500

GLOBAL CLIMATOLOGY BRANCH
SAFEAC
AIR WEATHER SERVICE/MAC

109710	COL A J EO BAKER AAF DL	73-78,80-82	AUG
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	1-0-02											
	3-05											
	6-08	100.0	100.0	100.0	100.0	100.0	98.8	94.9	75.0	43.8	37.3	607
	9-11	100.0	100.0	100.0	99.1	92.4	75.9	55.2	30.9	12.5	72.2	576
	12-14	100.0	100.0	99.6	94.3	78.6	53.2	34.4	18.8	7.9	64.4	547
	15-17	100.0	100.0	100.0	94.7	76.3	53.5	35.6	18.6	6.8	64.1	469
	18-20	100.0	100.0	100.0	98.6	90.7	73.2	54.1	29.3	13.4	71.4	246
	21-23											
TOTALS		100.0	100.0	99.9	97.4	87.6	70.9	54.8	34.5	16.9	71.9	2445

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 - 713
STATION

COL A J EO BAKER AAF DL
STATION NAME

73-78, 80-82

SEP
MON

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JULY	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.8	99.2	97.3	94.7	81.4	49.6	86.5	603
	09-11	100.0	100.0	100.0	99.3	93.8	80.6	60.4	35.9	18.2	74.2	593
	12-14	100.0	100.0	99.1	94.0	80.5	55.1	35.8	20.4	9.3	64.8	548
	15-17	100.0	100.0	99.0	95.8	84.0	60.4	38.1	19.3	9.2	65.9	457
	18-20	100.0	100.0	100.0	98.7	96.2	89.9	75.9	43.0	17.7	77.8	237
	21-23											
TOTALS		100.0	100.0	99.8	97.5	90.7	76.7	61.0	40.0	20.8	74.2	2438

2

CLICAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 9710
STATION

CGL A J ED BAKER AAF DL
STATION NAME

73-78,80-82

PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.7	97.9	95.7	85.6	58.4	90.1	582
	09-11	100.0	100.0	100.0	99.1	96.1	87.4	72.7	50.0	23.5	79.2	564
	12-14	100.0	100.0	99.1	95.6	86.5	66.7	49.2	31.4	14.1	69.7	547
	15-17	100.0	100.0	99.8	98.9	90.9	76.2	58.0	37.4	17.2	73.5	441
	18-20	100.0	100.0	100.0	99.7	98.3	96.6	88.7	66.1	37.7	84.5	292
	21-23											
TOTALS		100.0	100.0	99.8	98.7	94.3	85.0	72.9	54.1	31.2	79.4	2426

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

1 0710
STATION

COL A J ED BAKER AAF DL
STATION NAME

73-78,80-82

PERIOD

400
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
N.O.	0-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	98.8	96.8	95.0	83.8	55.9	89.1	560
	09-11	100.0	100.0	100.0	98.5	95.6	89.5	77.6	63.2	40.3	82.4	544
	12-14	100.0	100.0	99.4	94.6	87.2	76.2	63.4	50.3	27.9	75.3	517
	15-17	100.0	100.0	99.8	96.2	91.0	84.3	72.4	53.6	28.8	78.6	420
	18-20	100.0	100.0	100.0	100.0	97.4	97.4	89.7	69.2	40.7	85.0	273
	21-23											
TOTALS		100.0	100.0	99.8	97.9	94.0	88.8	79.6	64.0	38.7	80.1	2314

2

DEC
MONTH

6

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

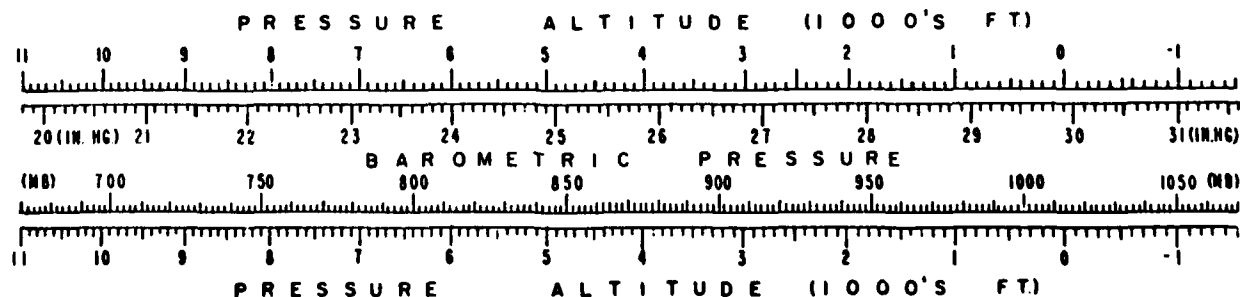
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

1 5710 COL A J BO BAKEP AAF DL
STATION STATION NAME

73-78,80-82
YEARS

HRS	ST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN													
	S.D.													
	TOTAL OBS.													
05	MEAN													
	S.D.													
	TOTAL OBS.													
07	MEAN	27.550	27.502	27.492	27.488	27.509	27.584	27.586	27.624	27.628	27.541	27.594	27.498	27.550
	S.D.	.268	.289	.219	.170	.174	.127	.118	.117	.166	.250	.248	.329	.219
	TOTAL OBS.	192	193	215	203	212	211	205	202	203	195	187	175	2393
10	MEAN	27.571	27.514	27.502	27.499	27.517	27.592	27.593	27.624	27.638	27.550	27.623	27.504	27.559
	S.D.	.270	.294	.223	.173	.175	.128	.117	.121	.165	.259	.239	.360	.228
	TOTAL OBS.	189	187	210	200	210	194	190	172	194	188	175	192	2301
15	MEAN	27.562	27.501	27.498	27.484	27.505	27.574	27.581	27.619	27.625	27.523	27.631	27.470	27.547
	S.D.	.265	.292	.216	.170	.172	.131	.117	.119	.164	.260	.297	.349	.229
	TOTAL OBS.	149	161	182	184	193	177	169	167	171	166	163	159	2041
16	MEAN	27.544	27.505	27.487	27.474	27.513	27.575	27.572	27.610	27.602	27.523	27.607	27.425	27.538
	S.D.	.252	.301	.214	.172	.160	.126	.108	.115	.170	.255	.237	.338	.218
	TOTAL OBS.	128	124	146	141	147	134	154	150	159	140	131	124	1682
19	MEAN	27.563	27.521	27.509	27.473	27.502	27.575	27.561	27.603	27.614	27.542	27.618	27.465	27.545
	S.D.	.256	.308	.217	.182	.145	.131	.106	.112	.172	.255	.238	.310	.221
	TOTAL OBS.	128	124	136	120	117	101	117	102	107	145	137	99	1437
22	MEAN													
	S.D.													
	TOTAL OBS.													
ALL HOURS	MEAN	27.558	27.508	27.498	27.485	27.510	27.581	27.581	27.616	27.623	27.537	27.615	27.477	27.549
	S.D.	.263	.295	.218	.173	.168	.128	.114	.117	.167	.255	.253	.341	.223
	TOTAL OBS.	784	793	889	848	879	817	835	793	834	834	793	753	9854



USAFETAC FORM 0 89 5 (OLA)

DATE
ILME